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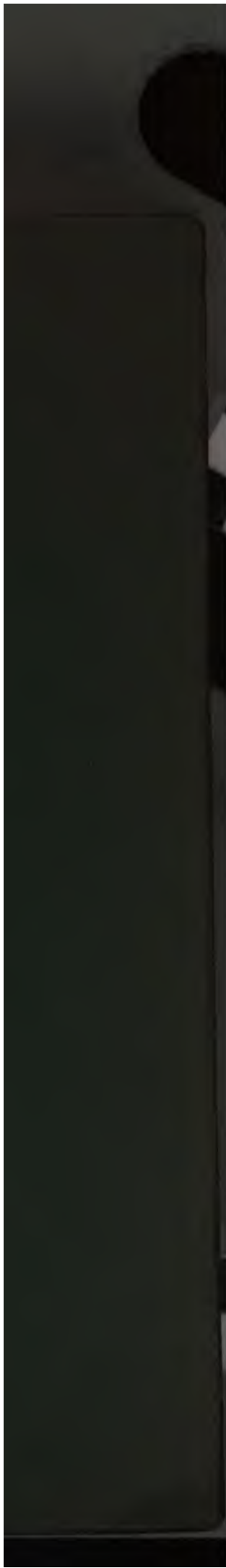
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TENTH ANNUAL REPORT
RELATING TO THE REGISTRY AND RETURN OF
BIRTHS, MARRIAGES, AND DEATHS,
IN MICHIGAN FOR THE YEAR 1876.

BY THE
SUPERINTENDENT OF VITAL STATISTICS,
UNDER THE GENERAL DIRECTION OF THE
SECRETARY OF STATE
OF THE
STATE OF MICHIGAN.

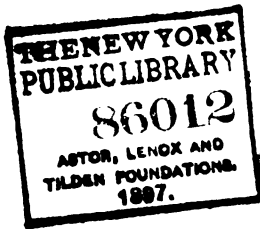


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STATE DEPARTMENT, MICHIGAN, }
SECRETARY'S OFFICE, }
LANSING, *October 5, 1880.* }

HON. CHARLES M. CROSWELL, *Governor of Michigan.*

SIR,—I herewith submit the Tenth Annual Report of this Department, relative to Births, Marriages, and Deaths, pursuant to Act No. 194 of 1867, as amended by Act No. 125 of 1869, and by Act No. 81 of 1873.

Very respectfully,

WM. JENNEY,
Secretary of State.

CONTENTS.

	PAGE.
Introductory Letter of transmittal by Secretary of State,	iii.
Table of Contents,	v.-vii.
General Remarks and Statements,	ix.-x.

BIRTHS, MARRIAGES, AND DEATHS:

Births, Marriages, and Deaths in Michigan during the year 1876,	xi.-xxiii.
Births, Marriages, and Deaths, and Excess of Births over Deaths for each of the years 1868-1876,	xi.
Statements Concerning Births, Marriages, and Deaths in 1870, 1871, 1872, 1873, 1874, 1875, and 1876,	xii.
Births, Marriages, and Deaths, and Excess of Births over Deaths per Quarter, Month, Week, and Day,	xiii.
Births, Deaths, and Excess of Births, by years,	xiv.
Births, and Marriages and Deaths in Months of Conceptions of the Births,	xv.-xvi.
Diagram No. 1,	xvii.
Relation of Inhabitants to persons Married, Children Born, and to Decedents,	xviii.
Comparative Natural Increase of Native and of Foreign-born Inhabitants of Michigan, Population June 1, 1874, and Marriages, Births, Deaths, and Excess of Births over Deaths in 1876, by Counties and Sex,	xx.-xxiii.
Births and Deaths, in 1876, Occurring out of Michigan,	xix.

BIRTHS:

In Michigan during the year 1876,	1
Average by Quarter, Month, Week, and Day, as Returned and as Corrected,	2
By Quarters, for each of the Years 1872-1876,	3
By Months, for each of the Years 1872-1876,	4
Corrections for Omissions in Enumeration, Reasons for, and Manner of,	4-10
Relation between Births and Marriages,	11-12
By Counties, by Sex, by Months,	13-20
By Color, by Sex,	20-21
By Counties, the Relation of the Sexes, the Birth-rate by Sex, and the number by Color, by Sex,	22-29
By Parent-Nativity,	30-39
By Counties, Parent-Nativity, and Sex,	32-39
Average Number of Children to a Mother,	40-41
Twins,	42-52
Twins by Parent-Nativity, Color, and Sex,	42-44
Twins by Counties, Parent-Nativity, and Sex,	45-52

	PAGE.
Occupations of Fathers of Twins,	53
Triplets,	54
Still-births by Months, Parent-Nativity, Sex, etc.,	54-58
Illegitimate Children, by Months, Parent-Nativity, Sex, etc.,	58-62
By Counties, the number of Illegitimate and Still-born Children and Twins,	62
Counties and Townships in which no Births occurred in 1876,	63
Counties and Townships from which no Returns of Births were received for 1876,	64
Sex of Children, by Months of Birth, Months of Conception, as related to Deaths and to Illegitimate and Still-born Children, and Twins, by Parent-Nativity,	65-72

MARRIAGES:

In Michigan during the Year 1876,	73
By Quarters of the Years 1870-1876, as Originally Returned, and as Corrected for Additional Returns,	74
By Months for each of the Years 1873-1876,	75
By Months Equalized to Uniform Length, for each of the Years 1872-1876,	76
Diagram of Marriages for each of the Years 1871-1876,	77
By Counties, by Months, for the Year 1876,	79-80
By Color, by Sex,	81
By Counties, by Color,	82-84
By Nativity, by Sex,	85-86
By Age, by Sex,	87
By Counties, Nativity, Sex, and Age,	88-92
By Age, by Sex, and Excess of the Sexes,	93
By Counties, by Ages under 21 years,	94-96
By Ages in Periods, by Sex,	97
Disparity of Ages,	98-101
By Counties, for each of the years 1869-1876, as first Returned, and as Corrected for Addi- tional Returns, and Relation of Marriages in 1876 to Population,	102-105
By Nativity for Different Foreign Countries, the United States, etc.,	106

DEATHS:

In Michigan during the Year 1876,	107
By Quarters for each of the Years 1870-1876,	109
By Months, for each of the Years 1873-1876,	109
By Months and Sex for 1876,	110-112
Corrections for Omissions in the Enumeration,	112-117
Diagram of Deaths by Months, as Returned and as Corrected,	116
By Periods of Age, by Sex,	118
By Age, by Sex, and Excess of Either Sex,	119-120
By Months, by Periods of Age,	121
By Periods of Age, by Sex, by Months,	122-123
By Age, by Sex, by Months,	124-133
Infant Mortality,	133-139
Diagramatic Table of Deaths of Children under One Year of Age,	134-135
Diagramatic Table of Months of Births and Deaths of Children who Died under One Year of Age, 1875-1876,	138
Decedents Aged One Hundred Years and Over,	140
Counties and Townships from which no Returns of Deaths were Received for 1876,	141
Counties and Townships in which it is Reported that no Deaths Occurred in 1876,	142
By Counties, Sex, Months, and Periods of Age,	143-155
By Color, Proportion of the Sexes,	156

CONTENTS.

vii

	PAGE.
By Color, by Counties, by Sex,	157-159
Nativity and Parent-Nativity of Decedents,	160
By Counties, by Nativity, by Sex,	160-162

CAUSES OF DEATH:

Number by Classes, for each of the Years 1872-1876,	163
Number by Classes, by Months, for 1876,	165
Diagram of Deaths from All Causes, and from each Class of Causes, by Months, 1876,	167
Five Groups of Causes, for each of the Years 1873-1876,	166
Geographical Divisions of the State,	168
By Divisions of the State, the Per Cent of Deaths from each Class of Causes,	169
By Counties, by Causes of Death, Classified,	170-199
Specified Causes, by Sex, Months, and Periods of Age,	200-244
By Casualties, Specified,	245
Suicide, Details of, Remarks and Exhibit,	246-248
Principal Causes of Death, Specified, and details of Special Study of each,	248-251, 262-291
Whooping-cough,	253
Certain Meteorological Conditions,	253-261
All Causes of Death and Meteorological Conditions,	262-263
Specified Causes of Death, and the Coincident Meteorological Conditions,	264-281
Croup and Diphtheria, and Coincident Atmospheric Conditions,	264-266
Cerebro-spinal Meningitis, and Meteorology, Coincident with,	267-268
Congestive Chills and Intermittent Fever, and Coincident Meteorological Conditions,	269-270
Typhoid Fever and Coincident Meteorological Conditions,	271
Diarrhea and Coincident Meteorological Conditions,	272-274
Diarrhea and Dysentery, by Geographical Divisions,	275
Rheumatism and Coincident Meteorological Conditions,	276
Scarlet Fever and Coincident Meteorological Conditions,	277
Consumption,	278-279, 286-291
Pneumonia and Coincident Meteorological Conditions,	280-281
Pneumonia, by Months, for 1871-1876,	282
Consumption and Pneumonia Correlated,	286-287
Consumption, Pneumonia, Typhoid Fever, and Intermittent Fever, by Geographical Divisions, and by Counties,	288-291
Old Age, Decedents Aged 70 years and over, and under 5 years, by Geographical Divisions, and by Counties,	292-296
Occupations of Decedents from Consumption,	296-311
Average Age of Decedents and Inhabitants,	312-313
Occupations of Decedents aged 20 years and over,	313-321
Alphabetical Index,	323-331



TENTH REGISTRATION REPORT
CONCERNING
VITAL STATISTICS OF MICHIGAN, 1876.

GENERAL REMARKS AND STATEMENTS.

For the year 1876 more deaths were returned as having occurred in Michigan than for any preceding year, except the years 1872 and 1873; yet, from the best evidence available, the death-rate in this State in 1876 was very small compared with that in any state or locality where deaths are thoroughly ascertained. This subject is discussed on pages 107-8. In Exhibit A, on page xi., in the first part of this volume, it may be seen that the natural increase of inhabitants—by excess of births over deaths—was greater in Michigan in 1876 than in any year since these statistics have been collected, that is if we judge from the births and deaths as they were returned, if the births and deaths as corrected are employed, the statistics show a larger excess of births over deaths in 1874 and 1875. In every year, however, the increase of population in Michigan by excess of births over deaths is very great.

In this volume as in preceding Reports, much attention has been given to the studies into the causes of deaths, this being considered the most important use which can be made of vital statistics, because knowledge of causes of sickness and of deaths is essential to systematic efforts for the prevention or avoidance of those causes. Beginning on page 162, the causes specified for the deaths in Michigan in 1876 are studied by classes, by months in the year, by part of body affected by the disease, by divisions of the State in which the deaths occurred, etc. The diseases which caused the greatest number of deaths in Michigan in 1876 are shown on page 248, and on page 249 they may be seen for several years preceding 1876. Consumption, pneumonia, typhoid fever, and scarlet fever usually lead the lists of diseases which cause most deaths. In connection with each important disease, the conditions of the atmosphere in months when more than an average number of deaths occurred are systematically studied, and many interesting facts have already been learned. Among these, one, the full significance of which is probably not yet appreciated, may be learned by examining the statements relating to pneumonia (inflammation of the lungs), on pages 279-285, especially the diagrams 9 and 10, and the comments on page 282, wherein it appears that the times when more than an average number of deaths from pneumonia occur coincide with the

times when there is an excess of ozone in the atmosphere. Particular attention is given to studies into the conditions coincident with deaths from consumption, that being the disease which is reported to cause more deaths than does any other disease, in Michigan as in every other state and country where vital statistics are gathered. To facilitate such comparisons as have been referred to, diagrams accurately drawn to scale, have been prepared for this volume, so as to picture to the eye contrasts and coincidences which otherwise could not be appreciated. The manner of the construction and of the reading of these diagrams has been explained in previous Reports, and need not be repeated here, but reference may be made to page xiii., in Vital Statistics of Michigan 1875, where the subject was last mentioned.

In submitting this volume the compiler is quite conscious of the fact that it has imperfections which he would gladly see disappear if that were possible; but he is also conscious of having labored faithfully to make it as perfect as he could under the circumstances, and he trusts it may prove a useful contribution to existing knowledge on the subjects upon which it supplies data. His acknowledgments are due to Mr. Louis DeLamarter and to others in the State Department who have so carefully performed their work upon the material which constitutes the basis of the volume.

Respectfully submitted,

HENRY B. BAKER, M. D.,
Superintendent of Vital Statistics.

BIRTHS, MARRIAGES, AND DEATHS,

IN MICHIGAN,

DURING THE YEAR 1876.

The number of births, marriages, and deaths, and the excess of births over deaths as returned for each of the years 1868-1876, and the number of births and deaths, and the excess of births over deaths after both births and deaths are corrected for omissions in enumerating for each of the years 1871-1876, are shown in Exhibit A. In Michigan the natural increase of population by excess of births over deaths is very great. The largest excess of births over deaths as returned is shown for 1876, the smallest for 1872, when the births and deaths are corrected as in this exhibit, the largest excess of births is shown for 1874, the smallest for 1871. In this connection it should be stated that the number of births in 1874 as corrected for omissions is *probably* too large, for reasons stated on pages 1 and 2, Vital Statistics of Michigan, 1874.

EXHIBIT A.—*Births, Marriages, and Deaths Returned as having occurred in Michigan during each of the Years 1868 to 1876, inclusive, including those in unknown month; also, for the Years 1871-1876 the number of Births and Deaths, and the Excess of Births over Deaths, after the Births and Deaths are Corrected for Omissions in Enumerating.*

		1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.
As Returned.	Marriages.....*	8,702	10,394	9,776	10,588	10,719	11,825	12,009	11,055	10,859
	Births.....	25,020	27,093	26,663	25,992	27,993	34,608	31,151	31,958	34,235
	Deaths.....	8,235	9,145	10,766	9,728	13,371	14,258	12,500	11,990	12,576
	Ex. of Births over Deaths.....	16,785	17,948	15,897	16,264	14,622	20,350	18,651	19,968	21,659
As Corrected for Omissions.	Births.....				37,104	43,081	45,088	55,841	46,553	45,172
	Deaths.....				15,723	21,101	20,312	20,090	17,289	18,389
	Ex. of Births over Deaths.....				21,381	21,980	24,776	35,751	29,264	26,783

* Corrected, for additional returns, up to April 1, 1878.

EXHIBIT B.—Statements concerning Births, Marriages, and Deaths in Michigan during the Years 1870 to 1876, inclusive

	1870. ^b	1871. ^b	1872. ^b	1873. ^b	1874. ^b	1875. ^c	1876. ^c
Inhabitants represented by returns of marriages to one marriage.....	120.87	110.72	110.30	99.85	97.59	114.92	122.75
In population represented by marriages, males to one marriage.....	63.09	57.76	57.56	53.17	50.95	60.06	64.14
In population represented by marriages, females to one marriage.....	57.75	53.31	52.72	47.76	46.64	54.86	58.61
Male inhabitants at ages at which marriages occurred to one marriage.....	37.27	36.69	35.18	31.85	31.08	d	d
Female inhabitants at ages at which marriages occurred to one marriage.....	37.83	36.29	34.34	33.36	30.51	d	d
Inhabitants represented by births to each child returned.....	43.43	44.13	41.77	34.07	37.89	41.52	38.56
Inhabitants, males to each male child returned.....	43.59	43.97	42.19	34.25	37.84	41.98	39.86
Inhabitants, females to each female child returned.....	43.57	44.57	41.58	33.90	38.08	41.24	38.38
Inhabitants, females aged 16 to 45 to each child returned.....	9.35	9.51	8.98	7.32	8.16	d	d
Children born to 100 females aged 16 to 45.....	10.68	10.52	11.13	13.66	12.25	d	d
Inhabitants represented by deaths to one death.....	107.13	117.54	86.61	82.46	93.77	110.25	104.74
Inhabitants, males to one death of male.....	107.48	114.75	84.09	80.16	91.76	107.09	101.84
Inhabitants, females to one death of female.....	107.50	121.67	89.93	85.34	96.59	115.14	109.21
Deaths, males to 100 females.....	108.73	115.17	116.55	116.10	114.83	117.58	117.27
Births, males to 100 females.....	108.80	110.21	107.46	107.67	109.88	107.43	108.05
Total population of State, males to 100 females.....	109.22	109.22	109.22	109.22	109.22	109.47	109.47
Births to one death.....	2.47	2.67	2.09	2.43	2.49	2.67	2.73
Births, males to one death of male.....	2.47	2.63	2.01	2.34	2.44	2.56	2.63
Births, females to one death of female.....	2.47	2.74	2.18	2.52	2.55	2.80	2.85
Children born of which the sex was unknown or not stated.....	91.00	69.00	83.00	68.00	49.00	82.00	56.00
Deaths of which the sex was unknown or not stated.....	37.00	35.00	27.00	17.00	31.00	53.00	59.00
Natural daily increase of population, as per births and deaths returned.....	43.55	44.56	39.95	55.76	51.10	54.71	59.34
Natural daily increase of population when returns are corrected for omissions in enumeration.....	-	53.58	60.06	67.83	97.95	80.17	73.38

^a Marriages, corrected for additional returns, up to April 1, 1873.

^b In computing statements for this column, the inhabitants, June 1, 1870, were used.

^c In computing statements for this column, the inhabitants in 1874 were used.

^d Population for 1874, by ages, cannot be ascertained

Facts respecting numbers of births, marriages, and deaths are sometimes best appreciated by having them stated for brief periods of time; accordingly Table I. is prepared to show the average numbers per day, per week, etc., and the natural increase of population for the same short periods of time. It will be seen that when the births and deaths are corrected for the omissions which occur (because of the length of time after their occurrence before they are enumerated), the excess of births over deaths during the year 1876 averaged about 73 persons per day.

TABLE I.—*The Number of Marriages, Births, Deaths, and Excess of Births over Deaths in the State of Michigan during the Year 1876, and the Average Number and Excess during Specified Periods of time within the Year as Returned, and the same for Births and Deaths as Corrected for Omissions in Enumeration.*

PERIODS OF TIME, 1876.		Marriages, 1876.	Births, 1876.	Deaths, 1876.	Excess of Births over Deaths.
Births and Deaths as Returned.	Year, 1876 *	10,868.00	34,235.00	12,576.00	21,659.00
	Quarter	2,714.50	8,558.75	3,144.00	5,414.75
	Month	904.83	2,852.92	1,048.00	1,804.92
	Week	208.81	688.37	241.85	446.52
	Day	29.75	93.79	34.45	59.34
Births and Deaths as Corrected. ^b	Year, 1876 *		45,172.00	18,389.00	26,783.00
	Quarter		11,293.00	4,597.25	6,695.75
	Month		3,764.33	1,532.42	2,231.91
	Week		868.69	353.63	515.06
	Day		123.76	50.38	73.38

* Unknown month included.

^b Corrected as if enumerated in months of occurrence. For reasons for, and methods of correction, see pages 4-10, for births, and pages 112-113, 117, for deaths.

EXHIBIT 1.—*By Months, the Births, Deaths, and Excess of Births over Deaths, according to the Returns, in Michigan during each of the Years 1867 to 1876, inclusive.*

		TOTAL.	MONTHS.											
			Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1867	Births.....	-----	-----	-----	-----	1,578	1,372	1,385	1,542	1,704	1,641	1,661	1,502	1,554
	Deaths.....	-----	-----	-----	-----	532	383	346	373	512	627	555	485	518
	Excess of Births	-----	-----	-----	-----	1,041	989	1,039	1,169	1,192	1,014	1,106	1,017	1,036
1868	Births.....	24,641	1,699	1,759	2,043	1,607	2,037	1,944	2,163	2,399	2,362	2,246	2,099	2,263
	Deaths.....	8,105	535	583	699	486	503	482	747	963	1,041	776	602	663
	Excess of Births	16,536	1,164	1,176	1,344	1,121	1,534	1,462	1,416	1,416	1,321	1,470	1,497	1,615
1869	Births.....	27,023	1,638	1,752	2,005	2,042	2,221	2,085	2,466	2,731	2,682	2,508	2,361	2,512
	Deaths.....	9,097	436	561	761	712	652	630	687	1,068	1,194	874	686	836
	Excess of Births	17,926	1,222	1,191	1,244	1,330	1,569	1,455	1,779	1,663	1,488	1,634	1,675	1,676
1870	Births.....	26,531	1,604	1,737	2,099	2,076	2,275	2,140	2,339	2,559	2,602	2,480	2,233	2,387
	Deaths.....	10,731	421	553	724	678	689	754	1,084	1,473	1,363	1,132	933	927
	Excess of Births	15,800	1,183	1,184	1,375	1,398	1,586	1,386	1,255	1,086	1,239	1,348	1,300	1,460
1871	Births.....	25,926	1,737	1,688	1,987	1,899	2,046	1,898	2,171	2,536	2,518	2,478	2,329	2,639
	Deaths.....	9,671	529	578	781	721	750	626	788	1,083	1,065	933	798	1,029
	Excess of Births	16,255	1,208	1,110	1,206	1,178	1,296	1,272	1,383	1,453	1,453	1,545	1,531	1,610
1872	Births.....	27,965	1,774	1,899	2,193	2,253	2,281	2,250	2,413	2,817	2,713	2,426	2,357	2,585
	Deaths.....	13,341	602	756	941	1,140	979	815	1,060	1,738	1,633	1,321	1,068	1,238
	Excess of Births	14,624	1,172	1,143	1,254	1,113	1,302	1,435	1,353	1,079	1,080	1,107	1,299	1,297
1873	Births.....	34,533	2,112	2,249	2,847	2,711	2,794	2,869	2,915	3,342	3,436	3,165	3,017	3,351
	Deaths.....	14,189	859	1,104	1,248	1,174	1,121	1,040	1,176	1,535	1,471	1,258	1,067	1,136
	Excess of Births	20,349	1,253	1,145	1,599	1,537	1,673	1,829	1,739	1,807	1,965	1,907	1,950	2,215
1874	Births.....	31,106	1,899	1,954	2,462	2,464	2,586	2,558	2,761	3,077	2,972	2,726	2,726	2,921
	Deaths.....	12,454	655	672	919	1,102	1,071	866	965	1,388	1,517	1,211	968	1,120
	Excess of Births	18,652	1,244	1,282	1,543	1,362	1,515	1,692	1,796	1,689	1,455	1,515	1,758	1,801
1875	Births.....	31,898	2,089	2,121	2,415	2,710	2,722	2,530	2,725	3,103	3,081	2,819	2,727	2,856
	Deaths.....	11,919	736	698	1,045	1,003	1,022	806	893	1,222	1,219	1,080	928	1,065
	Excess of Births	19,979	1,353	1,223	1,370	1,707	1,700	1,722	1,832	1,881	1,862	1,739	1,799	1,791
1876	Births.....	34,131	2,283	2,352	2,744	2,730	2,870	2,739	3,014	3,124	3,110	3,039	2,921	3,205
	Deaths.....	12,545	685	800	975	978	970	855	1,079	1,507	1,423	1,131	980	1,153
	Excess of Births	21,586	1,598	1,552	1,769	1,752	1,900	1,884	1,935	1,617	1,687	1,908	1,932	2,052
Monthly average of excess for 1868 to 1876, inclusive.....		17,967	1,266	1,223	1,412	1,389	1,564	1,541	1,611	1,521	1,504	1,575	1,638	1,724

THE RELATION OF BIRTHS, MARRIAGES, AND DEATHS.

Exhibit C and Diagram No. 1, illustrating it, are made for the purpose of studying the relations which the births, marriages and deaths sustain each to

the other. The number of births, as corrected for omissions and equalized for increase of population, is given, by months, for the years 1874, 1875, and 1876, and the marriages, and deaths at reproductive ages (20 to 50 for males, and 15 to 45 for females) in months of conceptions of the births. The greatest number of deaths, at reproductive ages, occurred in March, 1876, the greatest number of marriages in December, 1875, while the largest number of births is in the month of April, 1876. Deaths at reproductive ages seem to have little if any influence upon the birth-rate. The numerous marriages in October, November, and December seem to have been coincident with numerous conceptions in those months—the births being numerous in July, August, and September following; but the births were reported about equally numerous in March, April, and May, while the marriages in months of June and August preceding were not very numerous.

EXHIBIT C.—*Births in Michigan, by Months, during the Years 1874, 1875, and 1876, and Marriages and Deaths of Persons at Reproductive Ages* during months of Conception of the Births,—Births and Deaths Corrected for Omissions in Enumerating and Equalized for Increase of Population,—all Months Equalized to a uniform length of 30.44 days each.*

	Years.	Total. b	MONTHS OF BIRTHS.												Av. Month.
			Jan.	Feb.	Mar.	Apr.	May.	J'ne.	J'ly.	Aug.	Sept.	Oct.	Nov.	Dec.	
Births Corrected for Omissions in Enumerating, Equalized for In- crease of Popu- lation, and Equalized to months of uni- form length.....	1874.....	57,139	4,383	4,804	5,252	5,211	5,070	4,956	4,941	5,246	4,979	4,192	4,097	4,008	4,762
	1875.....	47,613	3,673	4,008	3,998	4,493	4,229	3,930	3,959	4,354	4,309	3,676	3,538	3,446	3,968
	1876.....	45,999	3,500	3,772	4,013	4,023	3,989	3,831	3,971	4,004	4,004	3,678	3,551	3,654	3,833
			MONTHS OF CONCEPTIONS OF BIRTHS.												
		Total. b	Apr.	May.	J'ne.	J'ly.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Av. Month.
Marriages,* Equalized to months of uni- form length.....	1873-1874	12,114	918	887	899	1,103	831	1,064	1,163	1,186	1,087	969	1,060	947	1,010
	1874-1875	11,790	969	821	794	987	849	1,078	1,128	1,245	1,320	842	866	891	983
	1875-1876	11,604	937	871	809	952	761	984	1,217	1,219	1,245	908	880	821	967
Decedents at Re- productive Ages* Corrected for Omissions in Enumerating, equalized for in- crease of popula- tion, and equal- ized to months of uniform length.....	1875-1876	4,054	392	415	305	308	303	328	385	282	321	245	346	424	338

* Males aged 20 to 50, and females aged 15 to 45 years.

b Excluding unknown month.

c Marriages, corrected for additional returns, up to April 1, 1878.

All of this exhibit C, except the first line of births (1874) and of marriages (1873-1874) is graphically represented in Diagram No. 1. These lines (1874, 1873-1874) are left off of the Diagram because the *corrected* number of births

for 1874 is probably much too large, for reasons mentioned on pages 1 and 2, "Vital Statistics of Michigan, 1874."

In Exhibit 2 the plus and minus signs indicate, respectively, that in the months where they occur the number under the sign is greater or less, as the case may be, than the number for the "Average Month."

Before the births are corrected for omissions, the first six months have less, and the last six months have more, than the average monthly number.

Using the number of births returned, and equalized by months, as the datum, propositions may be made as follows:

(1.) *More* than an average number of conceptions occurred in months in which *more* than an average number of marriages were solemnized, and *less* than an average number in months in which *less* than an average number of marriages were solemnized.

(2.) *Less* than an average number of conceptions occurred in months in which *more* than an average number of deaths occurred, and *more* than an average number of conceptions in months in which *less* than an average number of deaths occurred.

According to Exhibit 2, there are four exceptions to each of the above propositions, which therefore hold true in eight of the twelve instances. If the births and deaths corrected for omissions are thus studied, proposition 1 holds true in eight, and proposition 2, in ten out of the twelve cases.

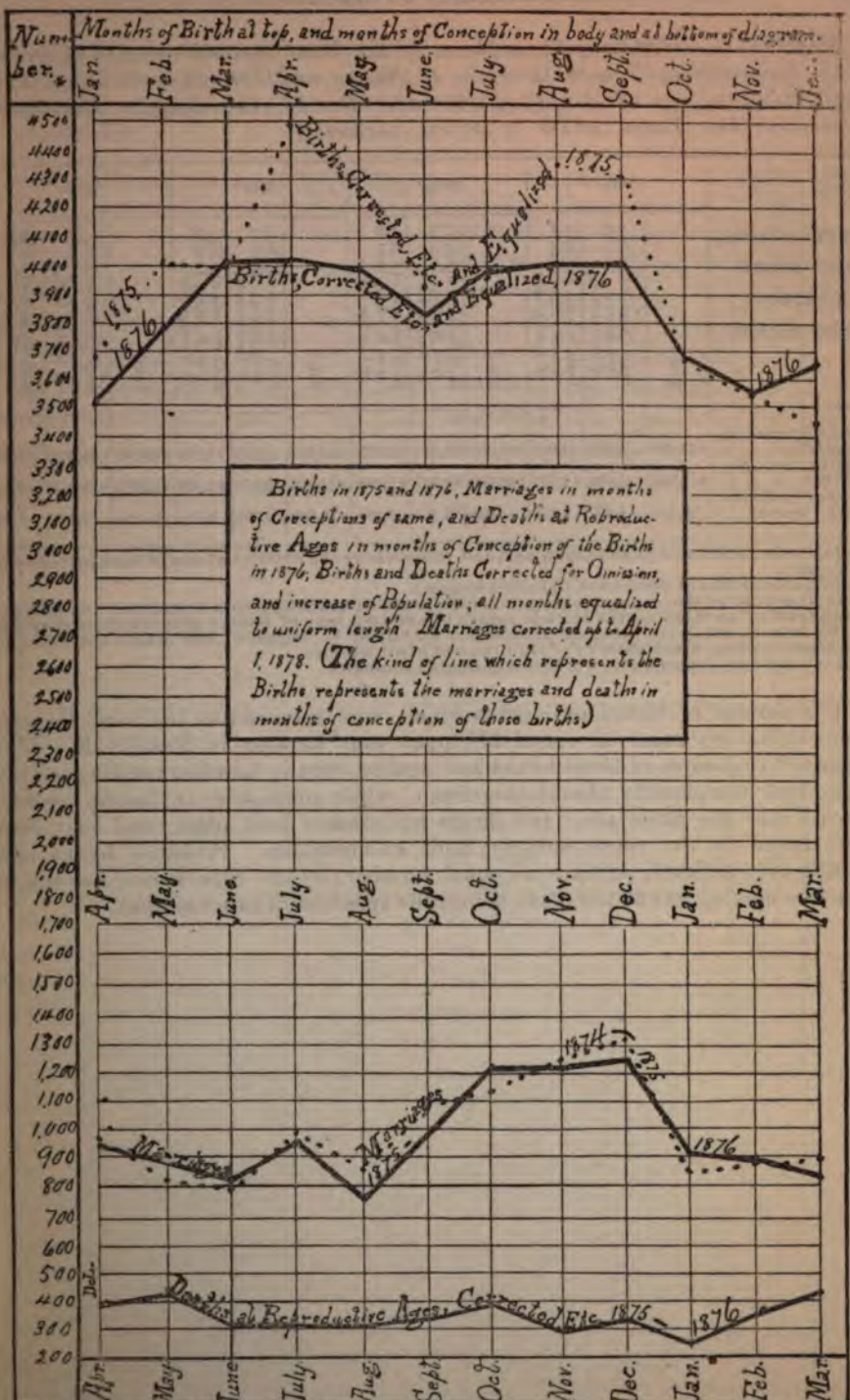
EXHIBIT 2.—Births Returned as having occurred in Michigan by Months during the Year 1876, and Marriages and Deaths during Months of Conceptions of the Births,—all Months Equalized to Uniform length of 30.44 Days.

	Total, ^a	MONTHS, 1876.												Av. Month.
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Births, 1876 equalized to months of uniform length.....	34,052	2,242	2,469	2,695	2,770	2,818	2,779	2,960	3,068	3,156	2,984	2,964	3,147	2,838
Births, 1876, corrected for omissions in enumerating, and equalized to months of uniform length.....	44,976	3,368	3,632	3,879	3,900	3,880	3,739	3,888	3,935	3,948	3,640	3,526	3,641	3,748
		MONTHS, 1875.									1876.			Av. Month.
		Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
Marriages ^b , equalized to months of uniform length.....	11,110	916	857	792	923	742	943	1,131	1,163	1,094	908	880	821	926
Deaths, equalized to months of uniform length.....	11,674	1,017	1,004	819	877	1,200	1,237	1,061	942	1,046	673	840	958	973
Deaths, corrected for omissions in enumerating, and equalized to months of uniform length.....	16,929	1,591	1,525	1,210	1,257	1,668	1,666	1,383	1,186	1,273	1,170	1,422	1,577	1,411

^a Excluding unknown month.

^b Corrected, for additional returns, up to April 1, 1878.

DIAGRAM No. 1.



*Scale = 650 to the inch.

1876.—C.

Designed by Henry B. Baker

EXHIBIT D.—*Grouping the evidence of the Vital Statistics on the subject of the Comparative Natural Increase of Native and Foreign-born Inhabitants of Michigan, by Excess of Births over Deaths, the Evidence Exhibited covering the Years 1873 to 1876, inclusive.*

BIRTHS, DEATHS, AND EXCESS OF BIRTHS OVER DEATHS.	1873.			1874.			1875.			1876.		
	Total.	Both Parents of Chil- dren Native. Deaths of Native-born.	Both Parents of Chil- dren Foreign. Deaths of Foreign-born.	Total.	Both Parents of Chil- dren Native. Deaths of Native-born.	Both Parents of Chil- dren Foreign. Deaths of Foreign-born.	Total.	Both Parents of Chil- dren Native. Deaths of Native-born.	Both Parents of Chil- dren Foreign. Deaths of Foreign-born.	Total.	Both Parents of Chil- dren Native. Deaths of Native-born.	Both Parents of Chil- dren Foreign. Deaths of Foreign-born.
Births, by parent- Nativity	a 34,608	16,202	11,946	a 31,151	13,341	10,517	a 31,058	14,226	11,120	a 34,235	15,551	11,901
Deaths, by Na- tivity	b 14,248	c 11,600	d 2,334	b 12,500	c 9,937	d 2,128	b 11,990	c 9,573	d 2,106	b 12,576	c 10,147	d 2,078
Excess of Births over Deaths ...	20,360	4,602	9,612	18,651	3,404	8,389	19,068	4,653	9,014	21,659	5,404	9,823

a Includes children of mixed parentage, and those where the nativity of one or both parents was unknown.

b Includes deaths of persons of unknown nativity.

c Includes all deaths of persons born in the United States, whether born of native or of foreign-born parents. As these deaths include deaths of children born of foreign parents, there seems to be no way to grasp the evidence sought for, except by an improved law which shall give us knowledge of the parent-nativity of children and of all who die.

d Includes only persons who were born in foreign countries.

The number of births and deaths which were returned to the State Department as having occurred out of Michigan may be seen in Exhibit E. It is supposed that some of these births and deaths were in families residing in this State, but temporarily absent therefrom, while some were in families which moved into the State after the births and deaths took place, and that they were taken by the supervisors in their enumeration. Probably births and deaths were omitted, perhaps an equal number, by the supervisors, because of families moving out of the State before the supervisors came around.

BIRTHS AND DEATHS NOT ELSEWHERE COMPILED. xix

EXHIBIT E.—*Showing, for the State and Counties of Michigan, the Number of Births and Deaths Returned to this Department as having occurred out of Michigan during the Year 1876, (Presumably in Families Residing in Michigan).*

STATE AND COUNTIES.	Births, 1876.	Deaths, 1876.	COUNTIES.	Births, 1876.	Deaths, 1876.
STATE.....	193	57	Leelanaw.....	3	-----
Allegan.....	1	1	Ienawee.....	7	6
Barry.....	10	1	Livingston.....	2	1
Bay.....	15	1	Manistee.....	-----	1
Benzie.....	2	-----	Mason.....	-----	1
Berrien.....	4	-----	McCusta.....	3	1
Branch.....	8	1	Monominee.....	2	-----
Calhoun.....	5	3	Midland.....	1	-----
Cass.....	7	-----	Monroe.....	4	-----
Cheboygan.....	1	-----	Montcalm.....	4	1
Eaton.....	4	2	Muskegon.....	1	-----
Emmet.....	3	1	Newaygo.....	2	-----
Genesee.....	1	-----	Oakland.....	2	-----
Gratiot.....	4	-----	Oceana.....	1	-----
Hilledale.....	2	2	Osceola.....	4	1
Houghton.....	8	3	Ottawa.....	2	-----
Huron.....	1	-----	Saginaw.....	10	5
Ingham.....	6	-----	Sanilac.....	5	-----
Ionia.....	5	-----	Shiawassee.....	2	-----
Iosco.....	-----	1	St. Clair.....	5	4
Isabella.....	1	-----	St. Joseph.....	5	-----
Jackson.....	5	4	Tuscola.....	1	1
Kalamazoo.....	6	1	Van Buren.....	2	1
Kent.....	13	2	Washtenaw.....	6	-----
Lake.....	3	-----	Wayne.....	4	8
Lapeer.....	-----	1	Wexford.....	-----	2

VITAL STATISTICS OF MICHIGAN, 1876.

TABLE II.—Exhibiting, by Sex, the Population in 1874, the Number of Marriages, Births, and Deaths, and the Excess of Births over Deaths in Michigan during the Year 1876.

STATE AND COUNTIES.	POPULATION, 1874.			Marriages, 1876.	BIRTHS, 1876.				DEATHS, 1876.				EXCESS OF BIRTHS OVER DEATHS. *			
	Total.	Males.	Females.		Total.	Males.	Females.	Un-known.	Total.	Males.	Females.	Un-known.	Total.	Males.	Females.	Un-known.
State	1,314,031	637,184	637,817	10,848	34,285	17,751	16,428	56	12,576	6,756	5,761	59	21,659	10,995	10,667	-3
Alcona	1,214	638	536	5	15	8	7	—	8	5	3	—	7	3	4	—
Allegan	32,331	16,976	15,405	203	795	411	384	—	311	173	139	—	434	239	215	—
Alpena	4,807	2,908	1,999	41	131	94	87	—	43	21	22	—	138	73	65	—
Antrim	3,002	1,634	1,318	24	75	46	28	1	19	14	4	1	56	32	24	—
Baraga	—	—	—	11	66	38	28	—	27	13	15	—	39	26	13	—
Barry	22,031	11,588	10,463	193	565	289	275	1	193	95	100	1	369	194	175	—
Bay	24,832	13,657	11,175	174	850	466	434	—	237	135	122	—	633	331	302	—
Benzle	2,663	1,422	1,241	32	71	35	36	—	26	11	15	—	45	24	21	—
Berrien	35,029	17,942	17,087	471	701	372	328	1	335	186	149	—	366	186	179	1
Branch	25,726	13,041	12,685	231	656	329	265	2	399	151	155	2	257	148	109	—
Calhoun	35,635	18,156	17,499	264	535	272	262	1	238	124	112	2	297	148	150	-1
Cass	20,525	10,392	9,913	232	332	188	193	1	189	92	97	—	193	96	96	1
Charlevoix	2,360	1,280	1,080	25	82	41	41	—	33	18	15	—	49	23	26	—
Cheboygan	3,070	1,706	1,364	53	93	51	42	—	14	8	6	—	79	43	36	—
Chippewa	2,170	1,222	948	10	56	24	32	—	31	16	14	1	25	8	18	-1
Clare	1,354	745	609	7	49	25	24	—	16	11	5	—	33	14	19	—
Clinton	23,661	12,162	11,499	199	546	297	249	—	137	95	91	1	339	202	136	-1
Delta	4,741	2,332	1,859	27	140	61	79	—	38	20	18	—	102	41	61	—
Eaton	26,907	13,575	13,052	259	664	368	326	—	236	124	112	—	458	244	214	—
Emmet	1,373	669	603	21	88	50	37	1	65	33	32	1	23	18	5	—

BIRTHS, MARRIAGES, AND DEATHS.

xxi

Genesee.....	34,508	17,032	330	690	319	340	1	235	138	117	283	181	183
Gladwin.....	265	145	120	12	6	6	.....	1	.....	1	11	6	5
Grand Traverse....	5,819	2,518	61	146	81	65	.....	45	23	22	101	58	43
Gratiot.....	13,896	7,304	93	410	191	219	.....	80	47	42	321	144	177
Hilledale.....	31,556	15,971	359	613	275	237	.....	213	110	103	209	165	134
Houghton.....	19,030	11,013	136	842	473	360	.....	183	109	74	659	364	295
Huron.....	11,904	6,614	129	516	242	273	1	82	46	25	1	434	196
Ingham.....	29,103	15,204	260	601	308	292	1	255	142	111	2	346	166
Ionia.....	28,376	14,788	268	665	375	287	3	231	114	113	4	434	261
Iosco.....	4,575	2,706	17	103	67	36	.....	40	21	19	.....	63	17
Isabella.....	6,063	3,273	53	198	103	94	1	84	37	47	114	65	47
Isle Royal.....	4	4	.....	7	3	4	.....	5	5	.....	2	-2	4
Jackson.....	37,938	19,833	330	765	400	366	.....	331	173	156	435	225	210
Kalamazoo.....	32,984	16,533	250	620	294	326	.....	324	176	148	296	118	173
Kalkaska.....	1,269	682	11	55	25	30	.....	13	8	5	42	17	25
Kent.....	62,671	32,576	487	1,759	917	836	6	612	332	275	5	1,147	561
Keweenaw.....	5,411	3,233	40	285	145	137	8	74	30	35	9	115	192
Lake.....	1,813	1,015	10	73	32	41	.....	18	7	6	60	25	35

- a The figures with the minus sign placed before them indicate the excess of deaths over births.
b No returns of deaths from the township of Kearney.
c The population of Baraga county cannot be ascertained. It was compiled with Houghton county.
d No returns of deaths from the township of Merritt.
e No returns of births or deaths from the township of Nunda.
f No returns of births or deaths from the townships of Detour and Sugar Island.
g No returns of deaths from the township of Summerfield.
h No returns of deaths from the township of Fairbanks.
i No returns of deaths from the township of Argentine.
j No returns of deaths from the township of Seipio.
k No returns of births or deaths from the township of North Plains.
l No returns of deaths from the township of Thompson.
m No returns of deaths from the townships of Brookfield and Deerfield.
n No returns of births from the townships of South Branch and Springfield.

VITAL STATISTICS OF MICHIGAN, 1876.

TABLE II.—CONTINUED.

COUNTIES.	POPULATION, 1874			Marriages, 1876.	BIRTHS, 1876.				DEATHS, 1876.				EXCESS OF BIRTHS OVER DEATHS. ^a			
	Total.	Males.	Females.		Total.	Males.	Females.	Un- known.	Total.	Males.	Females.	Un- known.	Total.	Males.	Females.	Un- known.
Lapeer	25,140	13,095	12,045	185	545	298	257	.....	173	83	90	.....	372	205	167	.....
Leelanaw	5,031	2,692	2,339	35	160	85	75	.....	40	20	20	.....	120	65	55	.....
Lenawee	46,084	23,256	22,828	389	809	398	411	.....	395	200	195	.....	414	198	216	.....
Livingston	20,329	10,569	9,760	140	444	233	210	1	158	85	71	2	286	148	139	-1
Mackinac	1,496	765	731	11	55	28	27	.....	23	18	5	.....	32	10	22	.....
Macomb	28,305	14,367	13,938	253	702	356	346	.....	280	150	110	.....	412	206	236	.....
Manistee	8,471	4,792	3,679	76	325	198	127	.....	74	51	23	.....	251	147	104	.....
Manitou	657	361	293	.....	39	22	17	.....	8	2	1	.....	36	20	16	.....
Marquette	21,916	12,803	9,053	99	898	451	447	.....	250	146	104	.....	648	305	343	.....
Mason	5,881	2,971	2,890	51	192	100	92	.....	63	37	26	.....	129	63	66	.....
Meosta	9,132	4,874	4,256	88	230	118	112	.....	46	26	20	.....	184	92	92	.....
Menominee	3,490	2,213	1,277	29	48	21	25	2	20	13	6	1	28	8	19	1
Midland	4,765	2,503	2,172	23	114	60	54	.....	40	17	23	.....	74	43	31	.....
Missaukee	606	305	211	8	24	11	13	.....	5	2	3	.....	19	9	10	.....
Monroe	80,111	15,802	14,800	285	703	365	337	1	196	103	92	1	507	262	245	.....
Montcalm	20,815	11,311	9,504	156	498	242	256	.....	159	80	72	.....	316	162	184	.....
Maskagon	19,375	10,761	8,614	162	430	228	202	.....	120	68	52	.....	310	160	150	.....
Newaygo	8,758	4,879	3,879	78	197	96	100	1	68	37	30	1	120	59	70	.....
Oakland	38,082	19,446	18,636	325	596	302	292	2	208	147	120	1	323	155	172	1
Oceana	8,360	4,581	3,779	68	254	126	128	.....	83	45	38	.....	171	81	90	.....
Ogemaw	207	103	54	6	.....	.....	.....	.....	4	2	2	.....	-4	-2	-2	.....
Ontonagon	2,406	1,276	1,130	13	75	40	35	.....	24	14	10	.....	51	26	25	.....

BIRTHS, MARRIAGES, AND DEATHS.

xxiii

Ooseola.....	6,916	8,491	2,725	41	214	107	107	.....	68	38	30	.....	146	69	77	.....
Otsego..... ^j	238	163	76	13	15	1	14	.....	4	3	3	.....	11	-1	12	.....
Ottawa.....	29,029	15,789	14,140	232	906	479	427	.....	239	133	196	.....	647	340	301	.....
Presque Isle..... ^k	1,615	831	704	5	65	33	27	.....	13	10	3	.....	52	28	24	.....
Roscommon..... ^l	276	187	89	.....	3	3	1	.....	.....	.....	.....	.....	3	2	1	.....
Saginaw.....	43,409	25,968	22,441	284	1,375	713	648	14	503	231	241	11	872	462	407	3
Sanilac.....	16,292	8,652	7,640	117	575	292	283	.....	144	82	62	.....	431	210	221	.....
Schoolcraft..... ^m	1,290	824	466	5	6	2	4	.....	.....	.....	.....	.....	6	2	4	.....
Shiawassee.....	21,773	11,265	10,508	180	473	259	214	.....	189	96	93	.....	284	163	121	.....
St. Clair.....	40,638	21,181	19,507	331	1,083	549	541	3	336	181	152	3	757	368	350	.....
St. Joseph.....	25,906	13,267	12,039	273	542	272	270	.....	219	114	105	.....	323	158	165	.....
Tuscola.....	16,998	8,950	8,048	147	480	263	237	.....	125	55	70	.....	365	198	167	.....
Van Buren.....	29,156	15,062	14,094	233	532	285	297	.....	256	127	129	.....	326	158	168	.....
Washtenaw.....	38,723	19,533	19,170	214	653	345	308	.....	302	182	120	.....	331	163	188	.....
Wayne.....	144,903	72,306	72,597	751	5,009	2,636	2,365	8	2,242	1,266	967	9	2,767	1,370	1,398	-1
Wexford..... ⁿ	3,011	1,752	1,259	51	116	59	57	.....	23	11	12	.....	83	48	45	.....

^a The figures with the minus sign placed before them indicate the excess of deaths over births.
^b No returns of deaths from the townships of Galilee and Peaine, and no returns of births or deaths from the township of South Manitou.
^c No returns of deaths from the township of Greene.
^d No returns of births or deaths from the township of Berlin.
^e No returns of births from the townships of Home, and no returns of deaths from the township of Reynolds.
^f No returns of births from the townships of Cedar Creek, Dalton, Eggleston, Fruitport, Montague, Moorland, Norton, and Ravenna.
^g No returns of deaths from the townships of Big Prairie, Bridgeton, and Monroe, and no returns of births or deaths from the townships of Beaver and Brook.
^h No returns of births or deaths from the township of Holly.
ⁱ No returns of births or deaths from the township of Edwards, and no births in the townships of Churchill, Ogema, or Rose.
^j No returns of deaths from the townships of Elmira and Corwith, and no returns of births or deaths from the townships of Charlton and Hayco.
^k No returns of deaths from the township of Presque Isle.
^l No returns of marriages or deaths for 1876 to county clerk.
^m No returns of deaths to the county clerk, and no returns of births from the townships of Manistique and Onota.
ⁿ No returns of births from the township of Harrington, and no returns of births or deaths from the 1st ward of Cadillac.

BIRTHS, 1876.

According to the returns made to the county clerks, and by them to the State Department, 34,235 children were born in Michigan during the year 1876. This number is larger than the number returned for any previous year except 1873. Table I. shows the number born in each year, and in each quarter of each of the years 1872-1876. The number of births added as a correction for the omissions in the enumeration is 10,937, making the probable number which actually occurred, according to the compiler's method of correction, 45,172. The number added as a correction for omissions in the enumeration (10,937) is 32.04 per cent of the number (34,131) returned, excluding those in unknown month; and the number of births returned, excluding unknown month (34,131), is 75.73 per cent of the number of births which occurred in the State in 1876 (45,068, excluding those in unknown month), according to this method of correction.

The following tabular exhibit shows what per cent of the actual births were probably returned, and the per cent added as a correction for the omissions caused by the time elapsing between the occurrence and the enumeration of the births, for each of the years 1871-76, and the average for the six years. By this exhibit it appears that a larger than average proportion of the births was returned for 1876, and consequently a smaller than average per cent was added as a correction for omissions.

Y E A R S.	Per Cent of Births Returned.	Per Cent of Births Added as Correction for Omissions.
1871.....	70.00	42.86
1872.....	64.95	43.95
1873.....	76.72	30.34
1874.....	55.75	79.37
1875.....	68.61	45.76
1876.....	75.73	32.04
Average for 6 years.	68.63	45.72

VITAL STATISTICS OF MICHIGAN, 1876.

The average number of births for each of the usual specified periods of time, including the number in unknown month, is as follows:

PERIODS OF TIME.	Births as Returned.	Corrected as per Exhibit A, 4th line.	Corrected with 45.73 Per Cent.
Per quarter	8,558.75	11,293.00	12,460.00
Per month.....	2,852.92	3,764.33	4,153.33
Per week.....	658.37	868.69	958.46
Per day.....	93.54	123.42	138.17

The relations of the numbers of births in Michigan, in 1876, to the number of inhabitants of the State cannot be accurately shown, because of the increase since the latest Census in 1874; employing the statements of inhabitants by the Census in 1874, and the births as returned, the birth-rate appears larger in 1876 than in 1874, and larger in 1876 than in 1875; the increase of population should be considered in this connection; the inhabitants in 1874, and the relations which the births in 1876, as returned and as corrected, bear to the numbers of inhabitants, are shown as follows:

SEX.	Inhabitants in 1874 Represented by Births in 1876.	Births as Returned.	Births Corrected for Omissions in Enumerating.	PER CENT OF BIRTHS TO INHABITANTS.	
				Births as Returned.	Births Corrected for Omissions.
Total.....	1,330,378	34,235	45,155	2.59	3.42
Males	689,717	17,751	24,947	2.57	3.62
Females.....	630,456	16,428	20,208	2.61	3.21
Unknown.....	.....	56	.....	.....	.....

Table I. is similar in plan to the corresponding tables for previous years, so far as relates to the upper half of it; that part of it shows that in 1876 the births were more evenly distributed throughout the quarters of the year than was the case in previous years. The lower half of the table is a new feature—published in this report for the first time; it is planned to show the births by quarters of the year, when the births are corrected so as to include all which probably occurred. It is plain, that as thus corrected, the births are still more evenly distributed by quarters of the year than when not thus corrected, as shown in the upper part of the table.

BIRTHS BY QUARTERS OF THE YEAR, AND BY MONTHS.

3

TABLE I.—*Births by Quarters of the Year, Exhibiting the Number and Per Cent of Totals for the Years 1872 to 1876, inclusive, As Returned, and As Corrected for Omissions in the Enumeration.*

TOTALS, AND MONTHS WITH WHICH QUARTERS END.		1872.		1873.		1874.		1875.		1876.	
		Num-ber.	Per Ct. of Total.	Num-ber.	Per Ct. of Total.	Num-ber.	Per Ct. of Total.	Num-ber.	Per Ct. of Total.	Num-ber.	Per Ct. of Total.
As Returned.	Totals.....	27,993	100.00	34,608	100.00	31,151	100.00	31,958	100.00	34,235	100.00
	March.....	5,868	20.96	7,208	20.83	6,315	20.27	6,625	20.73	7,379	21.55
	June.....	6,784	24.23	8,104	23.42	7,608	24.42	7,962	24.91	8,339	24.36
	September.....	7,943	28.37	9,693	28.01	8,810	28.28	8,909	27.88	9,248	27.01
	December.....	7,370	26.33	9,533	27.54	8,373	26.88	8,402	26.29	9,165	26.77
	Unknown.....	28	.10	70	.20	45	.14	60	.19	104	.30
	Average.....*	6,998	25.00	8,652	25.00	7,788	25.00	7,990	25.00	8,559	25.00
As Corrected for Omissions.	Totals.....	43,081	100.00	45,088	100.00	55,841	100.00	46,553	100.00	45,172	100.00
	March.....	10,517	24.41	10,314	22.88	13,767	24.55	11,074	23.79	10,840	24.00
	June.....	11,105	25.78	10,920	24.22	14,768	26.45	12,261	26.34	11,480	25.41
	September.....	11,722	27.21	12,201	27.06	15,019	26.90	12,494	26.84	11,858	26.25
	December.....	9,709	22.54	11,583	25.69	12,302	22.03	10,664	22.91	10,890	24.11
	Unknown.....	28	.06	70	.16	45	.08	60	.13	104	.23
	Average.....*	10,770	25.00	11,272	25.00	13,960	25.00	11,638	25.00	11,293	25.00

* The number in unknown quarter of year included.

In Table II. the months are arranged in order, those having the greatest number of births first, for each of the years 1873-1876. The months of December, August, and September are among the first three in each year; and this table shows for the months what Table I. shows for the quarters of the year, viz., that the births were more evenly distributed throughout the several months of the year 1876 than was the case in previous years.

Exhibit 2, page 5, is a new one,—in this Report for the first time, and is planned to show the order of months by number of births when corrected so as to include all births that probably occurred. By comparing the exhibit with Table II. it will be seen that the order is not the same in every case as it is before the correction, and that the months have more nearly equal numbers after than before the correction.

VITAL STATISTICS OF MICHIGAN, 1876.

TABLE II.—*Births during the Years 1873 to 1876, inclusive, according to the Returns, exhibiting the Number and Per Cent of Total, by Months arranged in Order by Number, Months having the greatest number first.*

ORDER.	1873.			1874.			1875.			1876.		
	MONTHS.	Num-ber.	Per Ct. of Total.	MONTHS.	Num-ber.	Per Ct. of Total.	MONTHS.	Num-ber.	Per Ct. of Total.	MONTHS.	Num-ber.	Per Ct. of Total.
	Total....	34,608	100.00	Total....	31,151	100.00	Total....	31,958	100.00	Total....	34,235	100.00
1	Sept.	3,436	9.83	Aug.	3,077	9.88	Aug.	3,103	9.71	Dec.	3,205	9.36
2	Dec.	3,351	9.68	Sept.	2,972	9.54	Sept.	3,061	9.64	Aug.	3,124	9.13
3	Aug.	3,342	9.66	Dec.	2,921	9.38	Dec.	2,866	8.94	Sept.	3,110	9.06
4	Oct.	3,165	9.15	July.	2,761	8.86	Oct.	2,819	8.82	Oct.	3,039	8.86
5	Nov.	3,017	8.72	Oct.	2,736	8.75	Nov.	2,727	8.53	July.	3,014	8.80
6	July.	2,915	8.42	Nov.	2,728	8.75	July.	2,725	8.53	Nov.	2,921	8.53
7	March.	2,847	8.23	May.	2,586	8.30	May.	2,723	8.52	May.	2,870	8.38
8	May.	2,794	8.07	June	2,558	8.21	April.	2,710	8.48	March.	2,744	8.01
9	April.	2,711	7.83	April.	2,464	7.91	June	2,530	7.91	June.	2,739	8.00
10	June	2,599	7.51	March.	2,462	7.90	March.	2,415	7.56	April.	2,730	7.97
11	Feb.	2,249	6.50	Feb.	1,954	6.27	Feb.	2,121	6.64	Feb.	2,352	6.87
12	Jan.	2,111	6.10	Jan.	1,899	6.10	Jan.	2,069	6.53	Jan.	2,283	6.67
	Unk.	70	.20	Unk.	45	.14	Unk.	60	.19	Unk.	104	.30
	Average *	2,884	8.33	Average *	2,566	8.23	Average *	2,663	8.33	Average *	2,853	8.33

* Including unknown month.

OMISSIONS IN THE ENUMERATION.

It is well known to supervisors and assessors, especially those in parts of the State where there are frequent movements among inhabitants, as is the case in lumbering towns, that not all the births or deaths are returned. The compiler of these statistics compiled the "Statistics of Michigan, 1870," collected by the Ninth U. S. Census; and, in doing so, made careful comparisons of the statistics of births and deaths collected by the U. S. Marshals for the Census, with those collected, as are those compiled in this volume, by the supervisors and assessors. While for the Census the enumeration of births and deaths in the year ending June 1, 1870, was soon after their occurrence, the enumeration by the supervisors was not until some months after the close of the year in which they occurred. The comparisons showed that many more were reported by those who enumerated soon after the occurrence than by those officers who did not enumerate until after the lapse of a considerable time; and the omissions seemed to bear a direct relation to the length of time which had elapsed between the occurrence and the enumeration of the births or deaths. A system of correction was, therefore, planned to make the births and deaths returned equal the number which would probably have been returned if the enumeration and return had been made immediately after the occurrence of the births and deaths.

Although for some purposes it is not necessary to know the number of births, if only the facts stated relative to those returned are also correct as

BIRTHS BY MONTHS, CORRECTED FOR OMISSIONS.

5

regards all the births which occurred, yet for most purposes it is extremely desirable to have all the births returned; and though there is no known method of correcting the returns in relation to the essential facts in detail, the compiler is able to make a correction which is believed to approximate the actual total number of births, and the relative number in each month, much more closely than do the numbers compiled directly from the returns without such correction. Some of the details of this correction are shown in Exhibits A, B, C, D, and 3. Remarks on Exhibit 3 are printed on page 3.

EXHIBIT 2.—Births during the Years 1871 to 1876, inclusive, as Corrected for Omissions in the Enumeration, exhibiting the Number and Per Cent of Total, by Months arranged in Order by Number, Months having the greatest number first.

ORDER.	1871.			1872.			1873.			1874.			1875.			1876.		
	Months.	Num-ber.	Per Cent of Total.	Months.	Num-ber.	Per Cent of Total.	Months.	Num-ber.	Per Cent of Total.	Months.	Num-ber.	Per Cent of Total.	Months.	Num-ber.	Per Cent of Total.	Months.	Num-ber.	Per Cent of Total.
	Total..	37,104	100.00	Total..	43,081	100.00	Total..	45,088	100.00	Total..	55,841	100.00	Total..	46,553	100.00	Total..	45,172	100.00
1	Aug....	3,511	9.46	Aug....	4,153	9.65	Dec....	4,235	9.40	Aug....	5,251	9.40	Aug....	4,357	9.36	Aug....	4,007	8.87
2	Sept. . .	3,378	9.10	Sept....	3,885	8.97	Sept. . .	4,231	9.38	March.	5,168	9.25	April..	4,292	9.22	July....	3,960	8.77
3	Oct.	3,219	8.68	March..	3,825	8.88	Aug....	4,212	9.34	May....	5,022	8.99	May....	4,189	9.00	May....	3,951	8.75
4	Dec....	3,202	8.63	April..	3,807	8.84	March..	4,000	8.87	April..	4,979	8.92	Sept. . .	4,183	9.00	March..	3,950	8.74
5	March..	3,175	8.56	May....	3,734	8.67	Oct....	3,806	8.84	July....	4,929	8.83	July....	3,949	8.48	Sept. . .	3,891	8.61
6	July....	3,098	8.35	July....	3,694	8.57	May....	3,764	8.35	Sept. . .	4,839	8.67	March..	3,934	8.45	April..	3,844	8.51
7	May....	3,064	8.34	June....	3,554	8.27	July....	3,758	8.34	June..	4,767	8.54	June....	3,780	8.12	Dec....	3,708	8.21
8	April..	2,953	7.96	Feb....	3,411	7.92	April..	3,730	8.27	Jan....	4,284	7.67	Oct....	3,705	7.96	Oct....	3,707	8.21
9	Nov....	2,926	7.89	Oct....	3,330	7.73	Nov....	3,541	7.85	Feb....	4,285	7.62	Jan....	3,590	7.71	June....	3,685	8.16
10	Jan....	2,924	7.88	Jan....	3,280	7.61	June....	3,425	7.60	Oct....	4,224	7.56	Feb....	3,550	7.63	Nov....	3,475	7.69
11	June..	2,789	7.52	Dec....	3,271	7.59	Feb....	3,225	7.15	Dec....	4,068	7.28	Dec....	3,497	7.51	Feb....	3,460	7.66
12	Feb....	2,769	7.46	Nov....	3,108	7.21	Jan....	3,089	6.85	Nov....	4,010	7.18	Nov....	3,462	7.44	Jan....	3,430	7.59
	Unk....	66	.18	Unk. . .	28	.06	Unk. . .	70	.16	Unk. . .	45	.08	Unk. . .	60	.13	Unk. . .	104	.23
	AV.... ^a	3,692	8.33	AV.... ^a	3,590	8.33	AV.... ^a	3,757	8.33	AV.... ^a	4,653	8.33	AV.... ^a	3,879	8.33	AV.... ^a	3,764	8.33

^a Including births in unknown month.

VITAL STATISTICS OF MICHIGAN, 1876.

EXHIBIT A.—Births in Michigan during the Year 1876, as Returned, as Corrected for Omissions in the Enumeration, the same Equalized for Increase of Population during the Year covered by the Returns, and the Births as thus Corrected and Equalized for the several Months, Equalized for Months of a Uniform length of 30.44 days; also, indicating some of the steps by which these results have been reached. (Still-births and Children of unknown Sex included.)

MONTHS, 1876.													
TOTAL.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Births as returned by Registration Officers.....	2,283	2,352	2,744	2,730	2,870	2,739	3,014	3,124	3,110	3,089	2,921	3,205	
Per cent of births to be added for correction for time elapsing before enumeration.....	50.23	47.09	48.95	40.81	37.57	34.53	31.39	28.25	25.11	21.97	18.83	15.09	
Number of births to be added for above correction.....	10,937	1,147	1,108	1,114	1,081	946	946	883	781	668	554	503	
Births, if enumerated in months of occurrence.....	45,068	3,430	3,460	3,844	3,951	3,686	3,960	4,007	3,891	3,707	3,475	3,708	
Per cent of births to be added to equalize them to population at close of year.....	4.21	3.86	3.51	3.16	2.81	2.46	2.11	1.76	1.41	1.06	.71	.35	
Births to be added to equalize them to population at close of year.....	1,025	144	134	137	111	91	84	71	55	39	25	13	
Births, as corrected, equalized to population at close of year.....	46,093	3,574	3,594	3,985	4,062	3,776	4,044	4,078	3,946	3,746	3,500	3,721	
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length.....	— .56	+ 1.44	— .56	+ .44	— .56	+ .44	— .56	— .56	+ .44	— .56	+ .44	— .56	
Number by which the births should be increased or diminished to equalize them to months of uniform length.....	— 94	— 63	+ 178	— 74	+ 58	— 73	+ 55	— 73	+ 58	— 68	+ 51	— 67	
Births, corrected and equalized, equalized to months of uniform length.....	45,999	3,509	3,772	4,013	3,989	3,831	3,971	4,004	4,004	3,676	3,551	3,654	

* Excluding 104 in unknown month.

EXHIBIT B.—*Births of Males in Michigan during the Year 1876, as Returned, as Corrected for Omissions in the Enumeration, the same Equalized for Increase of Population during the Year covered by the Returns, and the Births as thus Corrected and Equalized for the several Months, Equalized for Months of 30.44 Days each.*

MONTHS, 1876.													
TOTAL	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Births of Males as returned by Registration Officers.....	1,149	1,243	1,448	1,441	1,471	1,409	1,532	1,592	1,619	1,596	1,532	1,667	
Per cent of births to be added for correction for time elapsing before enumeration.....	63.87	59.87	55.87	51.87	47.87	43.87	39.87	35.87	31.87	27.87	23.87	19.87	
Number of births to be added for above correction.....	734	744	809	747	704	618	611	571	516	445	366	331	
Births of Males if enumerated in months of occurrence.....	1,883	1,987	2,257	2,188	2,175	2,027	2,143	2,163	2,135	2,040	1,898	1,998	
Per cent of births to be added to equalize them to population at close of year.....	4.21	3.96	3.51	3.16	2.81	2.46	2.11	1.76	1.41	1.06	.71	.35	
Births to be added to equalize them to population at close of year.....	570	79	77	69	61	50	45	38	30	22	13	7	
Births of males, as corrected, equalized to population at close of year.....	25,464	1,962	2,064	2,257	2,236	2,077	2,188	2,201	2,165	2,062	1,911	2,005	
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length.....	—56	+ 1.44	—56	+ 44	—56	+ 44	—56	—56	+ 44	—56	+ 44	—56	
Number of births added or subtracted to equalize them to months of uniform length.....	—45	—35	+ 102	+ 33	—40	+ 30	—40	—40	+ 32	—37	+ 28	—36	
Births of Males, corrected and equalized, equalized to months of uniform length.....	25,419	1,927	2,166	2,290	2,196	2,107	2,148	2,161	2,197	2,025	1,939	1,969	

* Excluding 53 births in unknown month.

Comments on Exhibits A and B, and on the principle of their construction, are printed on pages 4-5. .

BIRTHS OF MALES, CORRECTED, BY MONTHS.

VITAL STATISTICS OF MICHIGAN, 1876.

EXHIBIT C.—Births of Females in Michigan during the Year 1876, as Returned, as Corrected for Omissions in the Enumeration, the same Equalized for increase of Population during the Year covered by the Returns, and the Births as thus Corrected and Equalized for the several Months, Equalized for Months of 30.44 Days each.

MONTHS, 1876.													
TOTAL.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Births of Females as returned by Registration Officers.....	1,132	1,104	1,299	1,298	1,397	1,325	1,431	1,525	1,437	1,440	1,394	1,529	
Per cent of births to be added for correction for time elapsing before enumeration.....	36.16	33.90	31.64	29.38	27.12	24.86	22.60	20.34	18.08	15.83	13.56	11.80	
Number of births to be added for above correction.....	3,780	409	374	378	379	329	335	310	269	226	188	173	
Births of Females, if enumerated in months of occurrence.....	30,159	1,541	1,478	1,694	1,776	1,684	1,816	1,835	1,756	1,668	1,573	1,702	
Per cent of births to be added to equalize them to population at close of year.....	4.21	3.86	3.51	3.16	2.81	2.46	2.11	1.76	1.41	1.06	.71	.35	
Births to be added to equalize them to population at close of year.....	456	65	57	53	50	41	38	32	25	19	11	6	
Births of Females as corrected, equalized to population at close of year...	20,615	1,606	1,535	1,717	1,926	1,695	1,854	1,967	1,781	1,680	1,583	1,708	
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length.....	—56	+ 1.44	—56	+ .41	—56	+ .44	—56	—56	+ .44	—56	+ .44	—56	
Number of births to be added or subtracted to equalize them to months of uniform length.....	—47	—29	+ 76	—32	+ 25	—33	+ 25	—33	—34	+ 26	—30	+ 23	—31
Births of Females, corrected and equalized, equalized to months of uniform length.....	20,568	1,577	1,611	1,742	1,783	1,730	1,821	1,833	1,807	1,656	1,600	1,677	

* Excluding 49 births in unknown month.

EXHIBIT D.—Births of Males and of Females in Michigan during the Year 1876, Corrected for Omissions in the Enumeration, and, as thus Corrected, Equalized to Months of uniform length; also, the total Births of both Sexes as thus Corrected and Equalized. (Births of Children of Unknown Sex not included.)

	MONTHS, 1876.											
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL												
Births of Males, if enumerated in months of occurrence.....	24,894	1,883	1,987	2,257	2,188	2,175	2,027	2,143	2,163	2,135	2,040	1,998
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length.....	—56	+ 1.44	—56	+ 44	—56	—56	+ 44	—56	—56	+ 44	—56	+ 44
Number of Births added or subtracted to equalize them to months of uniform length	—45	—34	+ 99	—41	+ 32	—39	+ 30	—39	—39	+ 31	—37	+ 28
Births of Males, corrected and equalized to months of uniform length	24,849	1,849	2,086	2,216	2,220	2,136	2,057	2,104	2,124	2,166	2,003	1,926
Births of Females, if enumerated in months of occurrence.....	20,139	1,541	1,478	1,697	1,664	1,776	1,654	1,818	1,835	1,756	1,668	1,572
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length.....	—56	+ 1.44	—56	+ 44	—56	—56	+ 44	—56	—56	+ 44	—56	+ 44
Number of Births added or subtracted to equalize them to months of uniform length	—48	—28	+ 73	—31	+ 24	—32	+ 24	—33	—33	+ 26	—30	+ 23
Births of Females, corrected and equalized to months of uniform length.....	20,111	1,513	1,551	1,686	1,688	1,744	1,678	1,783	1,802	1,782	1,638	1,595
Births of Males, corrected and equalized to months of uniform length.....	24,849	1,849	2,086	2,216	2,220	2,136	2,057	2,104	2,124	2,166	2,003	1,926
Births of Males and of Females, corrected and equalized to months of uniform length.....	44,960	3,363	3,637	3,892	3,908	3,880	3,735	3,887	3,928	3,946	3,641	3,521
Males to 100 Females, Births corrected and equalized to months of uniform length.....	124	122	134	133	132	122	123	119	118	123	122	121

* Excluding 53 births of males and 49 births of females in unknown month.

Comments on Exhibits C and D, and on the principle of their construction, are printed on pages 4-5.

EXHIBIT 3.—Births in Michigan during the Year 1876, Corrected for Omissions in the Enumeration and Equalized for Months of a uniform length of 30.44 Days. (Still-births and Children of unknown Sex included.)

	TOTAL	MONTHS, 1876.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births, if enumerated in months of occurrence.....	45,068	3,430	3,460	3,960	3,844	3,961	3,685	3,900	4,007	3,891	3,707	3,475	3,708
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Number of births added or subtracted to equalize them to months of uniform length.....	—92	—56	+ 1.44	—56	+ .44	—56	+ .44	—56	—56	+ .44	—56	+ .44	—56
		—62	+ 172	—71	+ 56	—71	+ 54	—72	—72	+ 57	—67	+ 51	—67
Births, corrected and equalized to months of uniform length.....	44,976	3,368	3,632	3,879	3,900	3,890	3,739	3,888	3,935	3,948	3,640	3,526	3,641

* Excluding 104 births in unknown month.

The first line in Exhibit 3 will be understood if the reader remembers the facts commented upon on pages 4-5.

The number of conceptions is compared in Table III. with the number of marriages by months, and the table shows that, with four exceptions, there were more than the average number of marriages in those months in which there were more than the average number of conceptions. This comparison is made with the births and marriages as returned.

In Exhibit E, page 12, a comparison is shown after the births are corrected for omissions in the returns.

TABLE III.—*Exhibiting the Relation between the Births Returned as having occurred in Michigan during the Year 1876, and the Marriages solemnized in the Months of the Years 1875 and 1876, in which the Conceptions probably occurred. (Births and Marriages in unknown Month excluded.)*

BIRTHS FOR 1876, EQUALIZED TO MONTHS OF 30.44 DAYS EACH, IN ORDER BY NUMBER, GREATEST FIRST.					Number of Marriages from April, 1875, to March, 1876, equalized to Months of 30.44 days each. ^b
BIRTHS. ^a		CONCEPTIONS.			
Year and Months.		Number.	Months.	Year.	
Year		^a 34,062	.....	.....	11,110
More than the Av. No. of Births.	September.....	3,156	December.....	1875	1,094
	December.....	3,147	March..... ^c	1876	821
	August.....	3,068	November.....	1875	1,103
	October.....	2,984	January..... ^c	1876	908
	November.....	2,964	February..... ^c	1876	880
	July.....	2,960	October.....	1875	1,131
	Average.....	2,838	.....	.....	926
Less than the Av. No. of Births.	May.....	2,818	August.....	1875	742
	June.....	2,779	September..... ^c	1875	843
	April.....	2,770	July.....	1875	923
	March.....	2,696	June.....	1875	792
	February.....	2,469	May.....	1875	857
	January.....	2,242	April.....	1875	916

^a Excluding 104 Births in unknown month, and 79 lost in equalizing, making this number 183 less than the number of births returned.

^b Corrected, for additional returns, up to April 1, 1878.

^c Exceptions to the statement that *more* than an average number of conceptions appear for months in which *more* than an average number of marriages were solemnized, and *less* than an average number of conceptions in months in which *less* than an average number of marriages were solemnized.

The comparisons shown in Table III. are commented upon in the remarks on page 10; and similar comparisons, made after the births have been corrected for omissions in the returns, are shown and commented upon in Exhibit E, and remarks, on page 12.

Exhibit E is similar in plan to Table III., except that it contains data concerning the births as corrected for omissions in enumerating, equalized to months of equal length. The exceptions in Exhibit E to the same proposition made in Table III. are, however, four in number,—the same number as shown in Table III., but they are in different months, except September.

EXHIBIT E.—*The Relation between the Births in Michigan during the Year 1876, Corrected for Omissions in the Enumeration, and the Marriages solemnized in the Months of the Years 1875 and 1876, in which the Conceptions probably occurred. (Births and Marriages in unknown Month excluded.)*

BIRTHS IN 1876, CORRECTED AS IF ENUMERATED IN MONTHS OF OCCURRENCE, AND EQUALIZED TO MONTHS OF UNIFORM LENGTH, IN ORDER BY NUMBER, GREATEST FIRST.				Number of Marriages from April, 1875, to March, 1876, equalized to Months of 30.44 Days each. ^b
BIRTHS. ^a		CONCEPTIONS.		
Year and Months.		Number.	Months.	Year.
Year		^a 44,976	.....	.....
More than the Av. No. of Births.	September	3,948	December	1875
	August	3,935	November	1875
	April	3,900	July	1875
	July	3,888	October	1875
	May	3,880	August	1875
	March	3,879	June	1875
Average		3,748	.....	.....
Less than the Av. No. of Births.	June	3,739	September	1875
	December	3,641	March	1876
	October	3,640	January	1876
	February	3,632	May	1875
	November	3,526	February	1876
	January	3,368	April	1875

^a Unknown month excluded.
^b Corrected, for additional returns, up to April 1, 1878.
^c Exceptions to statement that *more* than an average number of conceptions appear for months in which *more* than an average number of marriages were solemnized, and *less* than an average number of conceptions in months in which *less* than an average number of marriages were solemnized.

TABLE IV.—*Exhibiting by Counties and by Sex, the Number of Children Returned as having been born in Michigan during the Year and in each Month of the Year ending December 31, 1876. (Still-births included.)*

STATE AND COUNTIES.	SEX.	YEAR, 1876.	MONTHS, 1876.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
State	Total	34,235	2283	2352	2744	2730	2870	2739	3014	3124	3110	3039	2921	3205	104
	Males	17,751	1149	1243	1448	1441	1471	1409	1532	1592	1619	1595	1532	1667	53
	Females	16,428	1182	1104	1289	1286	1397	1325	1481	1525	1487	1440	1384	1529	49
	Unknown	56	2	5	7	3	2	5	1	7	4	4	5	9	2
	Excess of Males.														
Alcona	Total	15	1	1	2	3	1	1	2				2	2	
	Males	8		1	2	1	1		1				1	1	
	Females	7	1			2		1	1				1	1	
Allegan	Total	795	47	48	78	77	57	65	65	80	75	72	56	75	
	Males	411	26	31	39	37	22	38	37	41	32	39	31	38	
	Females	384	21	17	39	40	35	27	28	39	43	33	25	37	
Alpena	Total	181	11	17	14	20	15	21	16	17	17	9	13	11	
	Males	94	6	10	4	10	9	7	8	7	10	8	7	8	
	Females	87	5	7	10	10	6	14	8	10	7	1	6	3	
Antrim	Total	75	3	2	5	4	4	7	10	10	10	5	6	9	
	Males	46	1	1	3	2	2	6	5	6	6	4	3	7	
	Females	28	2	1	2	2	2	1	4	4	4	1	3	2	
	Unknown	1							1						
Baraga	Total	66	4	5	7	6	9	6	3	5	3	7	5	6	
	Males	38	3	1	4	4	5	3		4	2	3	4	5	
	Females	28	1	4	3	2	4	3	3	1	1	4	1	1	
Barry	Total	565	28	31	34	48	54	45	63	58	47	62	47	43	5
	Males	289	15	16	19	22	29	23	33	30	19	39	22	21	1
	Females	275	13	15	15	26	25	22	30	28	28	22	25	22	4
	Unknown	1										1			
Bay	Total	890	82	53	61	63	73	59	84	92	71	89	67	96	
	Males	466	39	32	25	39	40	35	49	38	37	47	40	45	
	Females	424	43	21	36	24	33	24	35	54	34	42	27	51	
Benzie	Total	71	5	4	2	6	4	8	9	6	7	8	6	6	
	Males	35	3	2	2	4	4	4	3		5	5	2	1	
	Females	36	2	2		2		4	6	6	2	3	4	5	

• Except of counties and townships not represented by returns of births for 1876.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1876.	MONTHS, 1876.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Berrien	Total	701	46	47	43	51	62	56	60	66	85	62	58	60	.....
	Males	372	23	19	30	29	28	28	36	38	41	33	28	24	.....
	Females	328	18	28	18	22	34	28	24	28	44	29	30	25	.....
	Unknown	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
Branch	Total	586	23	44	41	36	48	38	47	53	60	47	59	60	.....
	Males	299	13	21	23	16	24	21	26	29	36	26	34	30	.....
	Females	285	15	23	18	20	24	17	21	29	24	21	25	28	.....
	Unknown	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....
Calhoun	Total	535	25	24	36	34	52	41	50	51	61	61	45	54	1
	Males	272	16	13	19	20	33	19	25	23	39	27	23	25	1
	Females	262	9	12	17	14	29	21	25	28	22	34	22	29	.....
	Unknown	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
Cass	Total	382	23	15	27	26	29	37	38	37	43	28	31	43	.....
	Males	186	12	9	15	15	15	11	16	16	23	16	13	25	.....
	Females	193	16	6	12	11	14	26	22	20	20	10	18	18	.....
	Unknown	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
Charlevoix	Total	82	4	5	15	5	11	3	8	6	6	8	8	3	.....
	Males	41	2	1	9	2	6	3	2	2	4	5	4	1	.....
	Females	41	2	4	6	3	5	.....	6	4	2	3	4	2	.....
Cheboygan	Total	93	8	5	14	8	7	14	6	9	5	3	7	7	.....
	Males	51	5	3	9	4	5	9	1	2	3	2	4	4	.....
	Females	42	3	2	5	4	2	5	5	7	2	1	3	3	.....
Chippewa	Total	56	6	4	6	5	5	2	5	5	5	3	5	5	.....
	Males	24	1	2	2	2	3	1	2	3	3	1	1	3	.....
	Females	32	5	2	4	3	2	1	3	2	2	2	4	2	.....
Clare	Total	49	3	5	1	2	4	4	6	6	5	4	8	1	.....
	Males	25	1	2	.....	1	2	2	3	3	4	2	4	1	.....
	Females	24	2	3	1	1	2	2	3	3	1	2	4	.....	.....
Clinton	Total	546	32	24	56	42	43	57	54	48	57	41	44	48	.....
	Males	297	20	14	33	26	24	30	29	26	34	17	23	22	.....
	Females	249	12	10	23	17	19	27	25	22	23	24	21	26	.....
Delta	Total	140	8	9	12	8	16	15	13	13	12	17	3	14	.....
	Males	61	3	3	6	2	3	8	5	6	6	12	2	5	.....
	Females	79	5	6	6	6	13	7	8	7	6	5	1	9	.....

* No returns from township of Nunda.

* No returns from townships of Detour and Sugar Island.

BIRTHS BY COUNTIES, BY MONTHS, BY SEX.

15

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1876.	MONTHS, 1876.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Eaton.....	Total.....	694	41	51	47	50	56	47	53	77	76	64	70	61	1
	Males.....	368	21	23	24	33	29	24	25	45	41	35	33	35	---
	Females.....	326	20	28	23	17	27	23	28	32	35	29	37	26	1
Emmet.....	Total.....	88	7	10	7	15	3	8	1	9	1	7	13	7	---
	Males.....	50	2	5	4	12	1	6	---	4	1	3	8	4	---
	Females.....	37	5	5	2	3	2	2	1	5	---	4	5	3	---
Genesee.....	Unknown.....	1	---	---	1	---	---	---	---	---	---	---	---	---	---
	Total.....	620	41	53	38	55	45	45	55	64	59	55	49	61	---
	Males.....	319	21	27	18	21	23	23	27	30	34	26	33	36	---
Gladwin.....	Females.....	300	20	26	20	34	22	22	28	34	25	28	16	25	---
	Unknown.....	1	---	---	---	---	---	---	---	---	---	1	---	---	---
	Total.....	12	---	1	1	---	---	2	---	2	1	2	1	1	1
Grand Traverse.....	Males.....	6	---	---	1	---	---	2	---	---	---	1	1	1	---
	Females.....	6	---	1	---	---	---	---	---	2	1	1	---	---	1
	Total.....	146	4	9	13	11	18	13	15	17	13	10	14	9	---
Gratiot.....	Males.....	81	2	5	5	6	10	8	10	9	7	5	8	6	---
	Females.....	65	2	4	8	5	8	5	5	8	6	5	6	3	---
	Total.....	410	32	22	28	29	47	26	35	36	34	36	45	40	---
Hillsdale.....	Males.....	191	15	13	15	11	22	13	12	15	15	18	22	20	---
	Females.....	219	17	9	13	18	25	13	23	21	19	18	23	20	---
	Total.....	512	23	43	42	41	55	43	37	50	54	35	42	45	1
Houghton.....	Males.....	275	9	19	24	20	29	22	21	30	34	15	28	23	1
	Females.....	237	14	24	18	21	26	21	16	20	20	20	15	22	---
	Total.....	842	46	74	67	70	75	71	73	73	73	63	67	90	---
Huron.....	Males.....	473	29	39	36	34	40	39	44	48	39	34	40	51	---
	Females.....	369	17	35	31	36	35	32	29	25	34	29	27	39	---
	Total.....	516	22	35	50	56	55	42	40	42	44	48	44	37	1
Ingham.....	Males.....	242	12	19	26	27	31	17	15	22	21	18	20	14	---
	Females.....	273	10	16	24	29	24	25	25	20	23	30	24	22	1
	Unknown.....	1	---	---	---	---	---	---	---	---	---	---	---	1	---
Ingham.....	Total.....	601	35	36	43	48	49	60	52	58	60	46	57	56	1
	Males.....	308	21	24	21	28	21	24	26	30	32	25	30	26	---
	Females.....	292	14	12	22	20	28	35	26	28	28	21	27	30	1
	Unknown.....	1	---	---	---	---	---	1	---	---	---	---	---	---	---

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1876.	MONTHS, 1876.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Ionia.....	Total.....	665	41	40	43	50	74	66	70	70	61	48	57	45	...
	Males.....	375	21	23	30	29	47	39	35	37	33	28	28	25	...
	Females.....	287	20	17	13	21	27	27	35	30	28	20	29	20	...
	Unknown.....	3	...	...	...	...	...	...	...	3	...	...	...	...	...
Iosco.....	Total.....	103	4	5	10	10	13	16	7	10	5	10	1	12	...
	Males.....	67	3	5	4	8	11	10	7	6	4	5	1	3	...
	Females.....	36	1	...	6	2	2	6	...	4	1	5	...	9	...
Isabella.....	Total.....	198	10	19	20	18	20	13	25	14	17	14	12	16	...
	Males.....	103	3	13	14	10	11	8	14	4	5	9	3	9	...
	Females.....	94	7	6	5	8	9	5	11	10	12	5	9	7	...
	Unknown.....	1	...	...	1	...	...	...	...	...	...	...	...	...	...
Isle Royal.....	Total.....	7	1	...	...	1	...	...	1	2	...	2	...	...	...
	Males.....	3	...	...	...	...	...	...	1	...	...	2	...	...	...
	Females.....	4	1	...	...	1	...	...	...	2	...	...	...	...	...
Jackson.....	Total.....	766	56	56	70	51	68	56	65	60	82	73	55	65	...
	Males.....	400	30	28	40	29	35	25	29	38	39	41	32	34	...
	Females.....	366	26	28	30	22	33	31	36	31	43	32	23	31	...
Kalamazoo.....	Total.....	620	37	32	48	56	55	51	60	61	53	62	58	47	...
	Males.....	294	16	12	28	36	20	19	25	24	30	28	32	24	...
	Females.....	326	21	20	20	20	35	32	35	37	23	34	26	23	...
Kalkaska.....	Total.....	55	1	5	3	4	3	5	12	7	7	4	2	2	...
	Males.....	25	...	4	2	3	1	2	5	3	2	1	2	...	...
	Females.....	30	1	1	1	1	2	3	7	4	5	3	...	2	...
Kent.....	Total.....	1,759	129	116	143	127	150	132	158	170	158	144	160	170	2
	Males.....	917	62	67	81	69	66	75	84	101	82	79	68	81	2
	Females.....	836	66	49	62	57	84	55	74	69	76	65	90	89	...
	Unknown.....	6	1	...	...	1	...	2	...	...	...	...	2	...	...
Keweenaw.....	Total.....	285	25	27	22	15	32	29	24	23	28	23	17	20	...
	Males.....	145	9	14	10	8	18	15	11	13	22	8	8	9	...
	Females.....	137	16	11	12	7	14	14	13	10	5	15	9	11	...
	Unknown.....	3	...	2	...	...	...	...	...	...	1	...	...	...	...
Lake.....	Total.....	73	12	4	5	4	12	3	5	5	6	7	3	7	...
	Males.....	32	5	3	1	2	5	1	3	3	4	...	1	4	...
	Females.....	41	7	1	4	2	7	2	2	2	2	7	2	3	...

• No returns from the township of North Plains.

b No returns from the townships of South Branch and Springfield.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1876.	MONTHS, 1876.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Lapeer	Total.....	545	29	33	34	54	55	39	38	50	57	56	45	53	2
	Males.....	288	10	17	15	32	32	18	19	27	28	35	24	30	1
	Females.....	257	19	16	19	22	23	21	19	23	29	21	21	23	1
Leelanaw	Total.....	160	5	14	15	13	13	16	14	13	20	13	17	7	
	Males.....	85	2	7	7	8	8	9	8	4	13	6	8	5	
	Females.....	75	3	7	8	5	5	7	6	9	7	7	9	2	
Lenawee	Total.....	809	48	57	60	74	75	59	71	65	80	81	63	76	
	Males.....	398	27	31	29	37	36	22	31	30	38	38	24	55	
	Females.....	411	21	26	31	37	39	37	40	35	42	43	39	21	
Livingston	Total.....	444	23	29	25	26	47	40	46	48	40	40	46	33	1
	Males.....	233	12	13	14	13	25	28	21	28	14	21	23	20	1
	Females.....	210	11	16	11	13	22	12	25	19	26	19	23	13	
	Unknown.....	1								1					
Mackinac	Total.....	55	1	2	8	6	3	6	6	8	3	4	6	2	
	Males.....	28			4	2	1	4	5	2	2	2	5	1	
	Females.....	27	1	2	4	4	2	2	1	6	1	2	1	1	
Macomb	Total.....	702	44	50	63	61	53	57	48	57	65	71	69	64	
	Males.....	356	20	26	31	31	31	32	23	23	33	35	35	36	
	Females.....	346	24	24	32	30	22	25	25	34	32	36	34	28	
Manistee	Total.....	325	16	22	33	30	30	28	28	29	27	20	32	28	2
	Males.....	198	13	14	28	14	19	13	17	19	14	15	18	13	1
	Females.....	127	3	8	5	16	11	15	11	10	13	5	14	15	1
Manitou	Total.....	39	1	5	2	5	3	5	4	2	5	3	4		
	Males.....	22		3		4		4	4		3	2	2		
	Females.....	17	1	2	2	1	3	1		2	2	1	2		
Marquette	Total.....	898	76	65	91	94	76	69	80	54	78	80	70	65	
	Males.....	451	39	33	52	43	42	41	32	30	36	38	30	35	
	Females.....	447	37	32	39	51	34	28	48	24	42	42	40	30	
Mason	Total.....	192	11	14	11	14	15	20	21	20	10	14	19	21	2
	Males.....	100	5	6	6	8	5	10	12	13	6	7	12	8	2
	Females.....	92	6	8	5	6	10	10	9	7	4	7	7	13	
Mecosta	Total.....	230	11	6	17	14	20	23	31	23	17	27	19	22	
	Males.....	118	3	4	12	10	11	11	14	10	8	10	13	12	
	Females.....	112	8	2	5	4	9	12	17	13	9	17	6	10	

* No returns from township of South Manitou.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1876.	MONTHS, 1876.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Menominee.....	Total.....	48	3	5	---	6	6	5	4	1	3	5	4	4	2
	Males.....	21	3	3	---	3	2	2	1	---	---	3	1	3	---
	Females.....	25	---	2	---	3	4	3	3	1	3	2	3	1	---
	Unknown.....	2	---	---	---	---	---	---	---	---	---	---	---	---	2
Midland.....	Total.....	114	9	8	10	6	12	9	9	15	10	5	11	10	---
	Males.....	60	6	4	4	4	7	7	6	6	4	2	7	3	---
	Females.....	54	3	4	6	2	5	2	3	9	6	3	4	7	---
Missaukee.....	Total.....	24	1	1	2	2	---	1	3	3	1	4	1	5	---
	Males.....	11	---	---	1	1	---	---	1	1	---	4	---	3	---
	Females.....	13	1	1	1	1	---	1	2	2	1	---	1	2	---
Monroe..... ^a	Total.....	703	45	41	62	49	68	56	48	61	72	59	68	72	2
	Males.....	365	25	19	30	20	41	35	27	26	38	31	40	31	2
	Females.....	337	20	22	31	29	27	21	21	35	34	28	28	41	---
	Unknown.....	1	---	---	1	---	---	---	---	---	---	---	---	---	---
Montcalm..... ^b	Total.....	498	26	26	34	33	39	47	60	54	45	47	45	41	1
	Males.....	242	17	10	17	18	14	23	27	28	23	24	19	21	1
	Females.....	256	9	16	17	15	25	24	33	26	22	23	26	20	---
Muskegon..... ^c	Total.....	430	41	41	36	35	26	20	53	39	31	39	31	38	---
	Males.....	228	18	22	17	19	13	11	30	26	20	21	16	15	---
	Females.....	202	23	19	19	16	13	9	23	13	11	18	15	23	---
Newaygo..... ^d	Total.....	197	20	14	23	15	23	15	17	11	17	15	12	15	---
	Males.....	96	11	7	10	4	8	11	6	7	6	8	7	11	---
	Females.....	100	9	7	13	10	15	4	11	4	11	7	5	4	---
	Unknown.....	1	---	---	---	1	---	---	---	---	---	---	---	---	---
Oakland..... ^e	Total.....	596	44	45	49	51	53	41	51	59	45	49	49	60	---
	Males.....	302	22	28	25	22	31	11	29	32	23	31	25	23	---
	Females.....	292	22	17	22	29	22	30	22	27	22	18	24	37	---
	Unknown.....	2	---	---	2	---	---	---	---	---	---	---	---	---	---
Oceana.....	Total.....	254	11	16	15	18	19	31	20	26	22	24	18	27	7
	Males.....	126	2	11	7	9	8	15	13	14	11	13	8	11	4
	Females.....	128	9	5	8	9	11	16	7	12	11	11	10	16	3
Ogemaw..... ^f															

^a No returns from township of Berlin.^b No returns from township of Home.^c No returns from townships of Cedar Creek, Dalton, Eggleston, Fruitport, Montague, Moorland, Norton, and Ravenna.^d No returns from townships of Beaver and Brooks.^e No returns from township of Holly.^f No returns from township of Edwards, and no births in the townships of Churchill, Ogemaw, and Rose.

BIRTHS BY COUNTIES, BY MONTHS, BY SEX.

19

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1876.	MONTHS, 1876.												Unknown.
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Ontonagon.....	Total.....	75	10	4	9	8	4	2	6	4	6	7	8	7	---
	Males.....	40	6	---	7	5	2	---	2	3	4	1	4	6	---
	Females.....	35	4	4	2	3	2	2	4	1	2	6	4	1	---
Osceola.....	Total.....	214	24	14	18	16	22	12	23	24	22	13	11	15	---
	Males.....	107	13	6	13	7	11	7	10	10	13	6	5	6	---
	Females.....	107	11	8	5	9	11	5	13	14	9	7	6	9	---
Otsego.....	Total.....	15	---	---	---	1	2	1	---	1	1	2	2	5	---
	Males.....	1	---	---	---	---	---	1	---	---	---	---	---	---	---
	Females.....	14	---	---	---	1	2	---	---	1	1	2	2	5	---
Ottawa.....	Total.....	906	65	57	85	85	59	84	72	81	89	79	76	74	---
	Males.....	479	34	31	47	50	36	39	39	35	48	40	41	39	---
	Females.....	427	31	26	38	35	23	45	33	46	41	39	35	35	---
Presque Isle.....	Total.....	65	3	7	2	5	6	5	6	8	3	5	7	8	---
	Males.....	38	2	3	1	2	4	4	4	4	1	3	5	5	---
	Females.....	27	1	4	1	3	2	1	2	4	2	2	2	3	---
Roscommon.....	Total.....	3	---	---	---	---	---	---	2	---	---	1	---	---	---
	Males.....	2	---	---	---	---	---	---	2	---	---	---	---	---	---
	Females.....	1	---	---	---	---	---	---	---	---	---	1	---	---	---
Saginaw.....	Total.....	1,375	95	102	117	134	126	109	129	120	128	116	80	117	2
	Males.....	713	48	53	61	81	68	51	66	69	63	58	38	55	2
	Females.....	648	47	48	55	53	56	57	63	50	64	58	39	60	---
	Unknown.....	14	---	1	1	---	2	1	---	1	1	2	3	3	---
Sanilac.....	Total.....	575	23	38	34	53	41	49	64	47	54	68	45	59	---
	Males.....	292	13	18	14	28	26	30	30	25	21	34	30	33	---
	Females.....	283	10	20	20	25	15	29	34	22	33	34	15	26	---
Schoolcraft.....	Total.....	6	---	1	1	1	---	---	---	1	---	1	1	---	---
	Males.....	2	---	---	1	---	---	---	---	---	---	---	1	---	---
	Females.....	4	---	1	---	1	---	---	---	1	---	1	---	---	---
Shiawassee.....	Total.....	473	28	31	34	38	31	45	44	37	36	43	55	51	---
	Males.....	236	12	17	17	21	14	21	26	14	24	25	32	36	---
	Females.....	214	16	14	17	17	17	24	18	23	12	18	23	15	---
St. Clair.....	Total.....	1,093	62	78	85	74	93	105	73	113	93	119	86	109	3
	Males.....	549	35	40	44	37	49	51	34	53	48	63	36	59	---
	Females.....	541	27	38	41	37	44	54	39	60	45	56	50	49	3
	Unknown.....	3	---	---	---	---	---	---	---	1	---	---	---	2	---

* No returns from townships of Charlton and Hayes.

† No returns from townships of Manistique and Onota.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1876.	MONTHS, 1876.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
St. Joseph.....	Total.....	542	40	29	43	32	49	45	53	62	46	38	54	51	---
	Males.....	272	17	9	20	18	27	26	26	32	26	19	29	23	---
	Females.....	270	23	20	23	14	22	19	27	30	20	19	25	28	---
Tuscola.....	Total.....	490	36	35	34	40	46	54	41	57	26	43	36	42	---
	Males.....	253	19	19	20	24	25	23	22	30	11	20	15	25	---
	Females.....	237	17	16	14	16	21	31	19	27	15	23	21	17	---
Van Buren.....	Total.....	582	29	51	46	43	36	39	52	63	60	53	53	57	---
	Males.....	285	11	30	21	22	15	21	25	33	32	24	27	24	---
	Females.....	297	18	21	25	21	21	18	27	30	28	29	26	33	---
Washtenaw.....	Total.....	653	31	37	54	43	50	61	52	53	63	59	71	77	2
	Males.....	345	15	22	27	20	20	31	25	28	33	39	42	41	2
	Females.....	308	16	15	27	23	30	30	27	25	30	20	29	36	---
Wayne.....	Total.....	5,009	431	385	428	379	334	319	403	379	425	449	460	552	65
	Males.....	2,636	211	209	216	194	169	180	210	187	223	245	265	295	32
	Females.....	2,365	219	174	211	184	165	139	193	192	200	204	195	256	33
	Unknown.....	8	1	2	1	1	---	---	---	---	2	---	---	1	---
Wexford.....	Total.....	116	5	8	5	17	11	15	15	10	9	8	9	4	---
	Males.....	59	3	5	2	9	6	7	10	7	3	3	1	3	---
	Females.....	57	2	3	3	8	5	8	5	3	6	5	8	1	---

* No returns from township of Harring, and 1st Ward of city of Cadillac.

BIRTHS BY RACE OR COLOR, INFLUENCE UPON SEX, ETC.

Table V. is published to place the facts upon record, but it is not available for the most satisfactory immediate study, because the population cannot be ascertained by color of inhabitants for any year since 1870, which year is too far away from 1876 to be of much value for purposes of studying the birth-rate based upon the births in 1876 and the population in 1870. The State Census of 1874 does not furnish statistics of the color of inhabitants. The plan of the law for the State Census might be very much improved.

Table VI. is valuable in that it contains data concerning the birth-rate, by county, by sex, based upon the births in 1876 and the population in 1874, according to the State Census for that year. Bearing upon the question of the influence of the increase or decrease of the birth-rate upon the sex of the children born, propositions concerning the birth-rate and the sex of children may be made as follows: 1, greater than average birth-rate, coincident with more than the average proportion of males; 2, greater than average birth-rate, coincident with less than the average proportion of males; 3, less than average birth-rate, coincident with less than the average proportion of males; 4, less than average birth-rate, coincident with more than the average proportion of males. For two counties there is no statement, and in the remaining 74 counties of the State, the first proposition is true of 18 counties, the second

proposition is true of 24 counties, the third is true of 16 counties, and the fourth is true of 16 counties. The proposition that a *greater* than average birth-rate is attended with *less* than average proportion of males, and *less* than average birth-rate is attended with *greater* than average proportion of males, holds true in 34 out of 67 counties in 1871, 37 out of 68 counties in 1872, 26 out of 69 counties in 1873, 33 out of 68 counties in 1874, 36 out of 72 counties in 1875, and in 40 out of 74 counties in 1876.

Besides the data relative to the birth-rate by counties, the proportion of the sexes in the children born, etc., Table VI. permits a study of the distribution of the children by color.

TABLE V.—*Exhibiting, by Color and by Sex, the Number of Children returned as having been born in Michigan during the Year 1876, and the Per Cent of Children of each Sex to the Total Number of both Sexes. (Still-Births included.)*

COLOR OR RACE.	SEX.	Children Born in 1876.	Per Cent of each Sex to Children of both Sexes.
All Colors	Total.....	34,235	-----
	Males.....	17,751	51.94
	Females.....	16,428	48.06
	Unknown.....	56	-----
White.....	Total.....	33,713	-----
	Males.....	17,493	51.95
	Females.....	16,179	48.05
	Unknown.....	41	-----
Black.....	Total.....	140	-----
	Males.....	67	48.90
	Females.....	72	51.80
	Unknown.....	1	-----
Mulatto.....	Total.....	88	-----
	Males.....	45	51.14
	Females.....	43	48.86
Indian	Total.....	141	-----
	Males.....	79	56.03
	Females.....	62	43.97
Unknown color	Total.....	153	-----
	Males.....	67	43.80
	Females.....	72	51.80
	Unknown.....	14	-----
Black and Mulatto.....	Total.....	228	-----
	Males.....	112	49.34
	Females.....	115	50.66
	Unknown.....	1	-----

TABLE VI.—*Exhibiting for the State and Counties of Michigan, by Sex, the Population in 1874, the Per Cent of Births in 1876 to Population in 1874, the Number of Males to 100 Females born during the Year 1876, and by Sex and Color the Number of Children born during the Year ending December 31, 1876. (Still-births included.)*

STATE AND COUNTIES.	Births,— Males to 100 Females.	SEX.	Per Cent of Births of each Sex to Total of both Sexes.	Popula- tion in 1874 Rep- resented by Births in 1876.	Per Cent of Births of each Sex to Popula- tion of same Sex.	COLOR,—CHILDREN BORN IN 1876.					
						Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
State..... ^a	108	Total.....	-----	1,320,173	2.57	34,235	33,713	^b 140	^c 88	^d 141	153
		Males.....	51.94	689,717	2.61	17,751	17,493	67	45	79	67
		Females..	48.06	630,456	2.59	16,428	16,179	73	43	62	73
		Unknown	-----	-----	-----	56	41	1	-----	-----	14
Alcona.....	114	Total.....	-----	1,214	1.24	15	15	-----	-----	-----	-----
		Males.....	53.33	698	1.16	8	8	-----	-----	-----	-----
		Females..	46.67	526	1.33	7	7	-----	-----	-----	-----
Allegan.....	107	Total.....	-----	32,381	2.46	795	787	1	7	-----	-----
		Males.....	51.70	16,976	2.42	411	406	-----	5	-----	-----
		Females..	48.30	15,405	2.49	384	381	1	2	-----	-----
Alpena.....	108	Total.....	-----	4,807	3.77	181	181	-----	-----	-----	-----
		Males.....	51.93	2,808	3.35	94	94	-----	-----	-----	-----
		Females..	48.07	1,999	4.35	87	87	-----	-----	-----	-----
Antrim.....	164	Total.....	-----	3,002	2.50	75	71	-----	-----	3	1
		Males.....	62.16	1,634	2.78	46	44	-----	-----	2	-----
		Females..	37.84	1,348	2.08	28	27	-----	-----	1	-----
		Unknown	-----	-----	-----	1	-----	-----	-----	-----	1
Baraga..... ^e	136	Total.....	-----	•	•	66	52	-----	-----	^f 14	-----
		Males.....	57.58	-----	-----	38	31	-----	-----	7	-----
		Females..	42.42	-----	-----	28	21	-----	-----	7	-----
Barry.....	105	Total.....	-----	22,051	2.56	565	564	1	-----	-----	-----
		Males.....	51.24	11,568	2.49	289	288	1	-----	-----	-----
		Females..	48.76	10,463	2.63	275	275	-----	-----	-----	-----
		Unknown	-----	-----	-----	1	1	-----	-----	-----	-----
Bay.....	110	Total.....	-----	24,832	3.58	890	884	1	-----	5	-----
		Males.....	52.36	13,657	3.41	466	463	-----	-----	3	-----
		Females..	47.64	11,175	3.79	424	421	1	-----	2	-----

^a For counties and townships from which no returns of Births were received, see Table XXI.

^b 2 males and 5 females, "Colored."

^c 1 male "Quadroon."

^d 14 males and 12 females White and Indian; 1 female "One-fourth Indian," and 1 female "Half breed."

^e Population of Baraga county cannot be ascertained. It was compiled with Houghton.

^f 3 males White and Indian.

BIRTHS BY COUNTIES, BY SEX, BY COLOR.

23

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,— Males to 100 Females.	SEX.	Per Cent of Births of each Sex to Total of both Sexes.	Popula- tion in 1874 Rep- resented by Births in 1876.	Per Cent of Births of each Sex to Popula- tion of same Sex.	COLOR,—CHILDREN BORN IN 1876.					
						Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
Benzie.....	97	Total.....	-----	2,663	2.67	71	71	-----	-----	-----	-----
		Males.....	49.30	1,422	2.46	35	35	-----	-----	-----	-----
		Females..	50.70	1,241	2.90	36	36	-----	-----	-----	-----
Berrien.....	113	Total.....	-----	35,029	2.00	701	691	2	8	-----	-----
		Males.....	53.14	17,942	2.07	372	367	-----	5	-----	-----
		Females..	46.86	17,087	1.92	328	323	2	3	-----	-----
		Unknown.....	-----	-----	-----	1	1	-----	-----	-----	-----
Branch.....	113	Total.....	-----	25,726	2.20	566	565	1	-----	-----	-----
		Males.....	53.01	13,041	2.29	299	296	1	-----	-----	-----
		Females..	46.99	12,685	2.09	265	265	-----	-----	-----	-----
		Unknown.....	-----	-----	-----	2	2	-----	-----	-----	-----
Calhoun.....	104	Total.....	-----	35,655	1.50	535	530	-----	-----	2	3
		Males.....	50.94	18,156	1.50	272	269	-----	-----	2	1
		Females..	49.06	17,499	1.50	262	261	-----	-----	-----	1
		Unknown.....	-----	-----	-----	1	-----	-----	-----	-----	1
Cass.....	97	Total.....	-----	20,525	1.86	382	358	6	18	-----	-----
		Males.....	49.34	10,592	1.77	183	174	3	11	-----	-----
		Females..	50.66	9,933	1.94	193	183	3	7	-----	-----
		Unknown.....	-----	-----	-----	1	1	-----	-----	-----	-----
Charlevoix...	100	Total.....	-----	2,360	3.47	82	74	-----	2	6	-----
		Males.....	50.00	1,230	3.20	41	38	-----	-----	3	-----
		Females..	50.00	1,080	3.80	41	36	-----	2	3	-----
Cheboygan..	121	Total.....	-----	3,070	3.03	93	85	1	1	6	-----
		Males.....	54.84	1,706	2.99	51	45	1	-----	5	-----
		Females..	45.16	1,364	3.08	42	40	-----	1	1	-----
Chippewa... *	75	Total.....	-----	1,617	3.46	56	36	-----	-----	^b 20	-----
		Males.....	42.86	918	2.61	24	14	-----	-----	10	-----
		Females..	57.14	699	4.58	32	22	-----	-----	10	-----
Clare.....	104	Total.....	-----	1,354	3.62	49	49	-----	-----	-----	-----
		Males.....	51.02	745	3.35	25	25	-----	-----	-----	-----
		Females..	48.98	609	3.94	24	24	-----	-----	-----	-----
Clinton.....	119	Total.....	-----	23,661	2.31	546	545	-----	-----	-----	-----
		Males.....	54.40	12,162	2.44	297	297	-----	-----	-----	-----
		Females..	45.60	11,499	2.17	249	248	1	-----	-----	-----

* For townships not represented by returns of births, see Table XXI.
^b 10 males and 10 females White and Indian.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,— Males to 100 Females.	SEX.	Per Cent of Births of each Sex to Total of both Sexes.	Popula- tion in 1874 Rep- resented by Births in 1876.	Per Cent of Births of each Sex to Popula- tion of same Sex.	COLOR,—CHILDREN IN 1876.					
						Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
Delta.....	77	Total.....	-----	4,741	2.95	140	139	-----	-----	a 1	-----
		Males.....	43.57	2,882	2.12	61	61	-----	-----	-----	-----
		Females..	56.43	1,859	4.25	79	78	-----	-----	1	-----
Eaton.....	113	Total.....	-----	26,907	2.58	694	693	-----	1	-----	-----
		Males.....	53.03	13,875	2.65	368	368	-----	-----	-----	-----
		Females..	46.97	13,032	2.50	326	325	-----	1	-----	-----
Emmet.....	135	Total.....	-----	1,272	6.92	88	54	-----	-----	b 33	-----
		Males.....	57.47	669	7.47	50	31	-----	-----	19	-----
		Females..	42.53	603	6.14	37	23	-----	-----	14	-----
		Unknown	-----	-----	-----	1	-----	-----	-----	-----	-----
Genesee.....	106	Total.....	-----	34,568	1.79	620	616	3	-----	-----	-----
		Males.....	51.53	17,536	1.82	319	318	1	-----	-----	-----
		Females..	48.47	17,032	1.76	300	298	2	-----	-----	-----
		Unknown	-----	-----	-----	1	-----	-----	-----	-----	-----
Gladwin.....	100	Total.....	-----	285	4.53	12	12	-----	-----	-----	-----
		Males.....	50.00	145	4.14	6	6	-----	-----	-----	-----
		Females..	50.00	120	5.00	6	6	-----	-----	-----	-----
Gr. Traverse.	125	Total.....	-----	5,349	2.73	146	146	-----	-----	-----	-----
		Males.....	53.48	2,801	2.89	81	81	-----	-----	-----	-----
		Females..	44.52	2,548	2.55	65	65	-----	-----	-----	-----
Gratiot.....	67	Total.....	-----	13,896	2.96	410	410	-----	-----	-----	-----
		Males.....	46.80	7,304	2.61	191	191	-----	-----	-----	-----
		Females..	53.41	6,582	3.33	219	219	-----	-----	-----	-----
Hillsdale.....	116	Total.....	-----	31,566	1.62	512	490	-----	-----	-----	23
		Males.....	53.71	15,971	1.72	275	270	-----	-----	-----	5
		Females..	46.29	15,595	1.52	237	220	-----	-----	-----	17
Houghton....c	128	Total.....	-----	19,030	4.42	842	840	-----	2	-----	-----
		Males.....	56.18	11,013	4.29	473	472	-----	1	-----	-----
		Females..	43.82	8,017	4.60	369	368	-----	1	-----	-----
Huron.....	89	Total.....	-----	11,964	4.31	516	516	-----	-----	-----	-----
		Males.....	46.99	6,614	3.66	242	242	-----	-----	-----	-----
		Females..	53.01	5,350	5.10	273	273	-----	-----	-----	-----
		Unknown	-----	-----	-----	1	1	-----	-----	-----	-----

a 1 female "Half-breed."

b 1 female White and Indian.

c Includes the population of Baraga county which cannot be ascertained.

BIRTHS BY COUNTIES, BY SEX, BY COLOR.

25

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,— Males to 100 Females.	SEX.	Per Cent of Births of each Sex to Total of both Sexes.	Popula- tion in 1874 Rep- resented by Births in 1876.	Per Cent of Births of each Sex to Popula- tion of same Sex.	COLOR,—CHILDREN IN 1876.					
						Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
Ingham	105	Total.....	-----	29,193	2.06	601	599	* 1	1	-----	-----
		Males.....	51.33	15,204	2.03	308	307	1	-----	-----	-----
		Females..	48.67	13,989	2.09	292	291	-----	1	-----	-----
		Unknown ..	-----	-----	-----	1	1	-----	-----	-----	-----
Ionia..... ^b	131	Total.....	-----	26,573	2.50	665	662	2	1	-----	-----
		Males.....	56.65	13,840	2.71	375	374	1	-----	-----	-----
		Females..	43.35	12,733	2.25	287	285	1	1	-----	-----
		Unknown ..	-----	-----	-----	3	3	-----	-----	-----	-----
Iosco.....	186	Total.....	-----	4,575	2.25	103	103	-----	-----	-----	-----
		Males.....	65.05	2,706	2.48	67	67	-----	-----	-----	-----
		Females..	34.95	1,869	1.93	36	36	-----	-----	-----	-----
Isabella.....	110	Total.....	-----	6,059	3.27	198	174	-----	-----	24	-----
		Males.....	52.28	3,273	3.15	103	90	-----	-----	13	-----
		Females..	47.72	2,786	3.37	94	83	-----	-----	11	-----
		Unknown ..	-----	-----	-----	1	1	-----	-----	-----	-----
Isle Royal...	75	Total.....	-----	^a	14.50	7	7	-----	-----	-----	-----
		Males.....	42.86	4	75.00	3	3	-----	-----	-----	-----
		Females..	57.14	-----	-----	4	4	-----	-----	-----	-----
Jackson.....	109	Total.....	-----	37,988	2.02	766	761	4	1	-----	-----
		Males.....	52.22	19,853	2.01	400	396	3	1	-----	-----
		Females..	47.78	18,135	2.02	366	365	1	-----	-----	-----
Kalamazoo...	90	Total.....	-----	32,284	1.92	620	601	16	2	-----	1
		Males.....	47.42	16,583	1.77	294	289	5	-----	-----	-----
		Females..	52.58	15,701	2.08	326	312	11	2	-----	1
Kalkaska.... ^b	83	Total.....	-----	1,090	5.05	55	55	-----	-----	-----	-----
		Males.....	45.45	602	4.15	25	25	-----	-----	-----	-----
		Females..	54.55	488	6.15	30	30	-----	-----	-----	-----
Kent.....	110	Total.....	-----	62,671	2.81	1,759	1,745	2	7	-----	5
		Males.....	52.31	32,576	2.81	917	911	1	5	-----	-----
		Females..	47.69	30,095	2.78	836	833	-----	2	-----	1
		Unknown ..	-----	-----	-----	6	1	1	-----	-----	4
Keweenaw...	106	Total.....	-----	5,411	5.27	285	240	-----	-----	-----	45
		Males.....	51.42	3,233	4.48	145	119	-----	-----	-----	26
		Females..	48.58	2,178	6.29	137	118	-----	-----	-----	19
		Unknown ..	-----	-----	-----	3	3	-----	-----	-----	-----

^a 1 male "Colored."

^b For townships not represented by returns of births, see Table XXI.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births, Males to 100 Females.	SEX.	Per Cent of Births of each Sex to Total of both Sexes.	Popula- tion in 1874 Rep- resented by Births in 1876.	Per Cent of Births of each Sex to Popula- tion of same Sex.	COLOR.—CHILDREN IN 1876.				
						Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
Lake.....	78	Total.....	-----	1,813	4.03	73	73	-----	-----	-----
		Males.....	43.84	1,015	3.15	32	32	-----	-----	-----
		Females..	56.16	798	5.14	41	41	-----	-----	-----
Lapeer.....	112	Total.....	-----	25,140	2.17	545	544	-----	1	-----
		Males.....	52.84	13,005	2.20	288	287	-----	1	-----
		Females..	47.16	12,045	2.13	257	257	-----	-----	-----
Leelanaw....	118	Total.....	-----	5,031	3.18	160	147	-----	1	* 12
		Males.....	53.12	2,692	3.16	85	77	-----	-----	8
		Females..	46.86	2,339	3.21	75	70	-----	1	4
Lenawee.....	97	Total.....	-----	46,064	1.76	809	798	9	2	-----
		Males.....	49.20	23,256	1.71	398	395	2	1	-----
		Females..	50.80	22,828	1.80	411	403	7	1	-----
Livingston...	111	Total.....	-----	20,329	2.18	444	443	1	-----	-----
		Males.....	52.60	10,569	2.20	233	233	1	-----	-----
		Females..	47.40	9,760	2.15	210	210	-----	-----	-----
Mackinac.....	104	Total.....	-----	1,496	3.68	55	55	-----	-----	-----
		Males.....	50.91	765	3.66	28	28	-----	-----	-----
		Females..	49.09	731	3.69	27	27	-----	-----	-----
Macomb.....	103	Total.....	-----	28,305	2.48	702	701	1	-----	-----
		Males.....	50.71	14,367	2.48	356	356	-----	-----	-----
		Females..	49.29	13,938	2.48	346	345	1	-----	-----
Manistee.....	156	Total.....	-----	8,471	3.84	325	324	1	-----	-----
		Males.....	62.92	4,792	4.13	198	197	1	-----	-----
		Females..	39.08	3,679	3.45	127	127	-----	-----	-----
Manitou..... ^b	129	Total.....	-----	657	5.94	39	39	-----	-----	-----
		Males.....	56.41	364	6.04	22	22	-----	-----	-----
		Females..	43.59	293	5.80	17	17	-----	-----	-----
Marquette....	101	Total.....	-----	21,946	4.09	898	897	1	-----	-----
		Males.....	50.22	12,893	3.50	451	450	1	-----	-----
		Females..	49.78	9,053	4.94	447	447	-----	-----	-----
Mason.....	100	Total.....	-----	5,361	3.58	192	190	-----	-----	2
		Males.....	52.08	2,071	3.37	100	98	-----	-----	2
		Females..	47.92	2,390	3.85	92	92	-----	-----	-----

* 1 male White and Indian.

^b For townships not represented by returns of births, see Table XXI.

BIRTHS BY COUNTIES, BY SEX, BY COLOR.

27

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,— Males to 100 Females.	SEX.	Per Cent of Births of each Sex to Total of both Sexes.	Popula- tion in 1874 Rep- resented by Births in 1876.	Per Cent of Births of each Sex to Popula- tion of same Sex.	COLOR,—CHILDREN IN 1876.				
						Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
Mecosta	105	Total	-----	9,132	2.52	230	230	-----	-----	-----
		Males	51.30	4,874	2.42	118	118	-----	-----	-----
		Females..	48.70	4,258	2.63	112	112	-----	-----	-----
Menominee..	84	Total	-----	3,490	1.38	48	48	-----	-----	-----
		Males	45.65	2,213	.95	21	21	-----	-----	-----
		Females..	54.35	1,277	1.96	25	25	-----	-----	-----
Midland	111	Unknown	-----	-----	-----	2	2	-----	-----	-----
		Total	-----	4,765	2.39	114	114	-----	-----	-----
		Males	52.63	2,593	2.31	60	60	-----	-----	-----
Missaukee...	85	Females..	47.37	2,172	2.49	54	54	-----	-----	-----
		Total	-----	606	3.96	24	24	-----	-----	-----
		Males	45.83	395	2.78	11	11	-----	-----	-----
Monroe.....	108	Females..	54.17	211	6.16	13	13	-----	-----	-----
		Total	-----	28,085	2.50	703	703	-----	-----	-----
		Males	51.99	14,258	2.56	365	365	-----	-----	-----
Montcalm... ^a	95	Females..	48.01	13,827	2.43	337	337	-----	-----	-----
		Unknown	-----	-----	-----	1	1	-----	-----	-----
		Total	-----	20,722	2.40	498	497	-----	1	-----
Muskegon... ^a	113	Males	48.59	11,260	2.15	242	242	-----	-----	-----
		Females..	51.41	9,462	2.71	256	255	-----	1	-----
		Total	-----	15,065	2.85	430	429	-----	-----	-----
Newaygo... ^a	96	Males	53.02	8,354	2.73	228	228	-----	-----	-----
		Females..	46.98	6,711	3.01	202	201	-----	-----	-----
		Total	-----	7,378	2.67	197	197	-----	-----	-----
Oakland... ^a	103	Males	48.98	4,127	2.33	96	96	-----	-----	-----
		Females..	51.02	3,251	3.08	100	100	-----	-----	-----
		Unknown	-----	-----	-----	1	1	-----	-----	-----
Oceana.....	98	Total	-----	35,575	1.68	596	594	b 1	-----	-----
		Males	50.84	18,198	1.66	302	302	-----	-----	-----
		Females..	49.16	17,377	1.68	292	291	1	-----	-----
Oscoda.....	96	Unknown	-----	-----	-----	2	1	-----	-----	-----
		Total	-----	8,360	3.04	254	245	-----	c 9	-----
		Males	49.61	4,581	2.75	126	122	-----	4	-----
Oscoda.....	96	Females..	50.39	3,779	3.39	128	123	-----	5	-----

^a For townships not represented by returns of births, see Table XXI.

^b 1 female "Colored."

^c 1 female White and Indian.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,— Males to 100 Females.	SEX.	Per Cent of Births of each Sex to Total of both Sexes.	Popula- tion in 1874 Rep- resented by Births in 1876.	Per Cent of Births of each Sex to Popula- tion of same Sex.	COLOR,—CHILDREN IN 1876.				
						Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
Lake.....	78	Total.....	-----	1,813	4.03	73	73	-----	-----	-----
		Males.....	43.84	1,015	3.15	32	32	-----	-----	-----
		Females..	56.16	798	5.14	41	41	-----	-----	-----
Lapeer.....	112	Total.....	-----	25,140	2.17	545	544	-----	1	-----
		Males.....	52.84	13,095	2.20	288	287	-----	1	-----
		Females..	47.16	12,045	2.13	257	257	-----	-----	-----
Leelanaw....	118	Total.....	-----	5,031	3.18	160	147	-----	1	* 12
		Males.....	53.12	2,692	3.16	85	77	-----	-----	8
		Females..	46.88	2,339	3.21	75	70	-----	1	4
Lenawee.....	97	Total.....	-----	46,064	1.76	809	798	9	2	-----
		Males.....	49.20	23,256	1.71	399	395	2	1	-----
		Females..	50.80	22,828	1.80	411	403	7	1	-----
Livingston...	111	Total.....	-----	20,329	2.18	444	443	1	-----	-----
		Males.....	52.60	10,569	2.20	233	232	1	-----	-----
		Females..	47.40	9,760	2.15	210	210	-----	-----	-----
		Unknown	-----	-----	-----	1	1	-----	-----	-----
Mackinac.....	104	Total.....	-----	1,496	3.68	55	55	-----	-----	-----
		Males.....	50.91	765	3.66	28	28	-----	-----	-----
		Females..	49.09	731	3.69	27	27	-----	-----	-----
Macomb.....	103	Total.....	-----	23,305	2.48	702	701	1	-----	-----
		Males.....	50.71	14,367	2.48	356	356	-----	-----	-----
		Females..	49.29	13,938	2.48	346	345	1	-----	-----
Manistee.....	156	Total.....	-----	8,471	3.84	325	324	1	-----	-----
		Males.....	63.92	4,792	4.13	198	197	1	-----	-----
		Females..	39.08	3,679	3.45	127	127	-----	-----	-----
Manitou..... ^b	129	Total.....	-----	657	5.94	39	39	-----	-----	-----
		Males.....	56.41	364	6.04	22	22	-----	-----	-----
		Females..	43.59	293	5.80	17	17	-----	-----	-----
Marquette...	101	Total.....	-----	21,946	4.09	898	897	1	-----	-----
		Males.....	50.22	12,893	3.50	451	450	1	-----	-----
		Females..	49.78	9,053	4.94	447	447	-----	-----	-----
Mason.....	100	Total.....	-----	5,361	3.58	192	190	-----	-----	2
		Males.....	52.08	2,971	3.37	100	98	-----	-----	2
		Females..	47.92	2,390	3.85	92	92	-----	-----	-----

* 1 male White and Indian.

^b For townships not represented by returns of births, see Table XXI.

BIRTHS BY COUNTIES, BY SEX, BY COLOR.

27

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,— Males to 100 Females.	SEX.	Per Cent of Births of each Sex to Total of both Sexes.	Popula- tion in 1874 Rep- resented by Births in 1876.	Per Cent of Births of each Sex to Popula- tion of same Sex.	COLOR,—CHILDREN IN 1876.					
						Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
Mecosta.....	105	Total.....	-----	9,132	2.52	230	230	-----	-----	-----	-----
		Males.....	51.30	4,874	2.42	118	118	-----	-----	-----	-----
		Females..	48.70	4,258	2.63	112	112	-----	-----	-----	-----
Menominee..	84	Total.....	-----	3,490	1.38	48	48	-----	-----	-----	-----
		Males.....	45.65	2,213	.95	21	21	-----	-----	-----	-----
		Females..	54.35	1,277	1.96	25	25	-----	-----	-----	-----
Midland.....	111	Total.....	-----	4,765	2.39	114	114	-----	-----	-----	-----
		Males.....	52.63	2,503	2.31	60	60	-----	-----	-----	-----
		Females..	47.37	2,172	2.49	54	54	-----	-----	-----	-----
Missaukee...	85	Total.....	-----	606	3.96	24	24	-----	-----	-----	-----
		Males.....	45.83	395	2.78	11	11	-----	-----	-----	-----
		Females..	54.17	211	6.16	13	13	-----	-----	-----	-----
Monroe.....	108	Total.....	-----	28,085	2.50	703	703	-----	-----	-----	-----
		Males.....	51.99	14,258	2.56	365	365	-----	-----	-----	-----
		Females..	48.01	13,827	2.43	337	337	-----	-----	-----	-----
Montcalm... ^a	95	Total.....	-----	20,722	2.40	498	497	-----	1	-----	-----
		Males.....	48.59	11,260	2.15	242	242	-----	-----	-----	-----
		Females..	51.41	9,462	2.71	256	255	-----	1	-----	-----
Muskegon... ^a	113	Total.....	-----	15,065	2.85	430	429	-----	-----	-----	1
		Males.....	53.02	8,354	2.73	228	228	-----	-----	-----	-----
		Females..	46.98	6,711	3.01	202	201	-----	-----	-----	1
Newaygo... ^a	96	Total.....	-----	7,378	2.67	197	197	-----	-----	-----	-----
		Males.....	48.98	4,127	2.33	96	96	-----	-----	-----	-----
		Females..	51.02	3,251	3.08	100	100	-----	-----	-----	-----
Oakland... ^a	103	Total.....	-----	35,575	1.68	596	594	b 1	-----	-----	1
		Males.....	50.84	18,198	1.66	302	302	-----	-----	-----	-----
		Females..	49.16	17,377	1.68	292	291	1	-----	-----	-----
Oceana.....	98	Total.....	-----	8,360	3.04	254	245	-----	-----	c 9	-----
		Males.....	49.61	4,581	2.75	126	122	-----	-----	4	-----
		Females..	50.39	3,779	3.39	128	123	-----	-----	5	-----

^a For townships not represented by returns of births, see Table XXI.

b 1 female "Colored."

c 1 female White and Indian.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,— Males to 100 Females.	SEX.	Per Cent of Births of each Sex to Total of both Sexes.	Popula- tion in 1874 Rep- resented by Births in 1876.	Per Cent of Births of each Sex to Popula- tion of same Sex.	COLOR,—CHILDREN IN 1876.				
						Total of all Colors.	White.	Black. .	Mu- latto.	In- dian.	Unk.
Ogemaw..... ^a		Total.....	-----	207	-----	-----	-----	-----	-----	-----
		Males.....	-----	153	-----	-----	-----	-----	-----	-----
		Females..	-----	54	-----	-----	-----	-----	-----	-----
Ontonagon....	114	Total.....	-----	2,406	3.12	75	75	-----	-----	-----
		Males.....	53.33	1,276	3.13	40	40	-----	-----	-----
		Females..	46.67	1,130	3.10	35	35	-----	-----	-----
Osceola.....	100	Total.....	-----	6,216	3.44	214	213	-----	1	-----
		Males.....	50.00	3,491	3.06	107	107	-----	-----	-----
		Females..	50.00	2,725	3.93	107	106	-----	1	-----
Otsego..... ^b	7	Total.....	-----	238	6.30	15	15	-----	-----	-----
		Males.....	6.67	162	.62	1	1	-----	-----	-----
		Females..	93.33	76	18.42	14	14	-----	-----	-----
Ottawa.....	112	Total.....	-----	29,929	3.03	906	902	4	-----	-----
		Males.....	52.87	15,789	3.03	479	476	3	-----	-----
		Females..	47.13	14,140	3.02	427	426	1	-----	-----
Presque Isle..	141	Total.....	-----	1,615	4.02	65	65	-----	-----	-----
		Males.....	58.46	851	4.47	38	38	-----	-----	-----
		Females..	41.54	764	3.53	27	27	-----	-----	-----
Roscommon..	200	Total.....	-----	273	1.09	3	3	-----	-----	-----
		Males.....	66.67	187	1.07	2	2	-----	-----	-----
		Females..	33.33	86	1.12	1	1	-----	-----	-----
Saginaw.....	110	Total.....	-----	48,409	2.84	1,375	1,363	3	4	3
		Males.....	52.39	25,968	2.75	713	709	1	2	1
		Females..	47.61	22,441	2.89	662	654	2	1	1
		Unknown	-----	-----	-----	14	11	-----	-----	3
Sanilac.....	103	Total.....	-----	16,292	3.53	575	574	-----	1	-----
		Males.....	50.78	8,652	3.37	292	292	-----	-----	-----
		Females..	49.22	7,640	3.70	283	282	-----	1	-----
Schoolcraft. ^b	50	Total.....	-----	472	1.27	6	6	-----	-----	-----
		Males.....	33.33	320	.63	2	2	-----	-----	-----
		Females..	66.67	152	2.63	4	4	-----	-----	-----
Shiawassee..	121	Total.....	-----	21,773	2.17	473	472	-----	1	-----
		Males.....	54.76	11,265	2.30	259	259	-----	-----	-----
		Females..	45.24	10,508	2.04	214	213	-----	1	-----

^a No births in the townships of Churchill, Ogemaw, and Rose, and no returns from the township of Edwards.

^b For townships not represented by returns of births, see Table XXI.

^c 1 male "Colored."

^d 1 male "Quadroon."

BIRTHS BY COUNTIES, BY SEX, BY COLOR.

29

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.	Births,— Males to 100 Females.	SEX.	Per Cent of Births of each Sex to Total of both Sexes.	Popula- tion in 1874 Rep- resented by Births in 1876.	Per Cent of Births of each Sex to Popula- tion of same Sex.	COLOR.—CHILDREN IN 1876.					
						Total of all Colors.	White.	Black.	Mu- latto.	In- dian.	Unk.
St. Clair.....	101	Total.....	-----	40,688	2.69	1,093	1,091	-----	-----	* 1	1
		Males.....	50.37	21,181	2.59	549	549	-----	-----	-----	-----
		Females..	49.63	19,507	2.77	541	539	-----	-----	1	1
		Unknown	-----	-----	-----	3	3	-----	-----	-----	-----
St. Joseph....	101	Total.....	-----	25,906	2.09	542	539	1	2	-----	-----
		Males.....	50.18	13,267	2.05	272	272	-----	-----	-----	-----
		Females..	49.82	12,639	2.14	270	267	1	2	-----	-----
		Unknown	-----	-----	-----	-----	-----	-----	-----	-----	-----
Tuscola.....	106	Total.....	-----	16,998	2.88	490	490	-----	-----	-----	-----
		Males.....	51.63	8,950	2.83	253	253	-----	-----	-----	-----
		Females..	48.37	8,048	2.94	237	237	-----	-----	-----	-----
		Unknown	-----	-----	-----	-----	-----	-----	-----	-----	-----
Van Buren...	96	Total.....	-----	29,156	2.00	582	571	b 5	6	-----	-----
		Males.....	48.97	15,062	1.89	285	281	1	3	-----	-----
		Females..	51.03	14,094	2.11	297	290	4	3	-----	-----
		Unknown	-----	-----	-----	-----	-----	-----	-----	-----	-----
Washtenaw..	112	Total.....	-----	38,723	1.69	653	632	12	7	-----	9
		Males.....	52.83	19,553	1.76	345	335	6	3	-----	1
		Females..	47.17	19,170	1.60	308	297	6	4	-----	1
		Unknown	-----	-----	-----	-----	-----	-----	-----	-----	-----
Wayne.....	111	Total.....	-----	144,903	3.46	5,009	4,874	c 59	11	-----	63
		Males.....	52.71	72,306	3.64	2,636	2,562	53	7	-----	34
		Females..	47.29	72,597	3.26	2,365	2,306	26	4	-----	29
		Unknown	-----	-----	-----	8	6	-----	-----	-----	2
Wexford..... ^d	104	Total.....	-----	2,812	4.13	116	115	-----	1	-----	-----
		Males.....	50.86	1,633	3.61	59	59	-----	-----	-----	-----
		Females..	49.14	1,179	4.83	57	56	-----	1	-----	-----
		Unknown	-----	-----	-----	-----	-----	-----	-----	-----	-----

* 1 female "One-fourth Indian."

b 3 females "Colored."

c 1 female "Colored."

d For townships not represented by returns of births, see Table XXI.

According to the evidence in Table VII., 45.41 per cent of all the children born in Michigan in 1876, were born of parents who were both native-born, and 34.76 per cent were born of parents who were both foreign-born. This is about the usual proportion in this State, although the per cent of children born of parents who were both native-born was slightly greater in 1876 than in 1874 or 1875.

TABLE VII.—*Exhibiting, by Sex, by Number, and by Per Cent of Total, the Parent-Nativity of Children Born in Michigan during the Year 1876, according to the Returns.*

NATIVITY OF PARENTS OF CHILDREN BORN.	ALL CHILDREN BORN, 1876.							
	NUMBER.				PER CENT OF TOTAL.			
	Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Unk.
All Nativities.....	34,235	17,751	16,428	56	100.00	100.00	100.00	100.00
Both Parents Native.....	15,551	8,044	7,493	14	45.41	45.32	45.61	25.00
Both Parents Foreign.....	11,901	6,178	5,704	19	34.76	34.80	34.72	32.93
Foreign Father and Native Mother..	3,587	1,812	1,772	3	10.48	10.21	10.79	5.35
Foreign Mother and Native Father..	1,968	1,036	829	3	5.46	5.84	5.05	5.36
Unknown Mother, Father Native...	284	138	145	1	.83	.78	.88	1.79
Unknown Mother, Father Foreign...	233	116	117	-----	.68	.65	.71	-----
Unknown Father, Mother Native...	209	102	106	1	.61	.57	.64	1.79
Unknown Father, Mother Foreign...	84	48	36	-----	.25	.27	.22	-----
Both Unknown.....	518	277	226	15	1.51	1.56	1.38	26.78
One or Both Native	21,489	11,182	10,245	22	62.80	62.71	62.97	39.29
One or Both Foreign.....	17,673	9,190	8,458	25	51.62	51.77	51.49	44.64

In Exhibit F, comparative evidence is given, for several years, relative to the parent-nativity of children, not distinguishing the sex, however, as is done in Table VII. By tracing the Exhibit back through preceding years, it is found that although the proportion of children born of parents—"Mother foreign and Father native," has been slightly increasing, the proportion born of parents—"Father foreign and Mother native," has increased almost constantly from 1869 to 1876, inclusive.

EXHIBIT F.—*Parent-Nativity of Children returned as having been Born in Michigan during each of the Years 1871 to 1876, inclusive.*

NATIVITY OF PARENTS OF CHILDREN BORN.	BIRTHS, 1871.		BIRTHS, 1872.		BIRTHS, 1873.		BIRTHS, 1874.		BIRTHS, 1875.		BIRTHS, 1876.	
	Num- ber.	Per Cent of Total.	Num- ber.	Per Cent of Total.	Num- ber.	Per Cent of Total.	Num- ber.	Per Cent of Total.	Num- ber.	Per Cent of Total.	Num- ber.	Per Cent of Total.
All Nativities.....	25,992	100.00	27,923	100.00	34,608	100.00	31,151	100.00	31,958	100.00	34,235	100.00
Both Parents Native....	11,374	43.75	12,907	46.11	16,202	46.81	13,341	42.83	14,226	44.51	15,551	45.42
Both Parents Foreign..	8,734	33.60	9,721	34.73	11,946	34.52	10,517	33.76	11,120	34.80	11,901	34.76
Foreign Father and Na- tive Mother.....	2,109	8.11	2,599	9.28	3,388	9.79	3,130	10.05	3,246	10.16	3,587	10.48
Foreign Mother and Na- tive Father.....	1,217	4.68	1,359	4.85	1,941	5.61	1,680	5.39	1,727	5.40	1,963	5.46
One or both Unknown..	2,558	9.84	1,407	5.03	1,131	3.27	2,483	7.97	1,639	5.13	1,323	3.88
One or both Parents Na- tive.....*	14,700	56.55	16,965	60.25	21,531	62.21	18,151	58.27	19,199	60.08	21,006	61.36
One or both Parents For- eign.....*	12,090	46.39	13,679	48.87	17,275	49.91	15,327	49.20	16,093	50.36	17,356	50.70
Father.....	Native								16,309	51.03	17,703	51.71
	Foreign								14,812	46.35	15,721	45.92
	Unknown.....								837	2.62	811	2.37
Mother....	Native								17,686	55.34	19,347	56.51
	Foreign								12,961	40.56	13,853	40.46
	Unknown								1,311	4.10	1,035	3.02

* Excluding cases where nativity of either parent is unknown.

Table VIII. permits of a study of the distribution, by counties, of children born in 1876, distinguishing them by parent-nativity.

TABLE VIII.—*Exhibiting, for the State and Counties of Michigan, by Sex, the Total Number of Children Born during the Year 1876, and the Parent-Nativity of such Children, so far as stated in the Returns. (Still-births included.)*

STATE AND COUNTIES.	SEX.	Children Born, 1876.	NATIVITY OF PARENTS,—1876.*								Both Un- known.
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		
							Father.		Mother.		
							Na- tive.	For- eign.	Na- tive.	For- eign.	
State	Total.....	34,235	15,551	11,901	3,587	1,868	284	b 233	c 209	c 84	d 518
	Males.....	17,751	8,044	6,178	1,812	1,036	138	116	102	48	277
	Females..	16,428	7,493	5,704	1,772	829	145	117	106	36	236
	Unknown	56	14	19	3	3	1	-----	1	-----	15
Alcona.....	Total.....	15	7	6	2	-----	-----	-----	-----	-----	-----
	Males.....	8	4	4	-----	-----	-----	-----	-----	-----	-----
	Females..	7	3	2	2	-----	-----	-----	-----	-----	-----
Allegan.....	Total.....	795	414	247	89	32	3	-----	4	-----	6
	Males.....	411	218	122	50	15	2	-----	2	-----	2
	Females..	384	196	125	39	17	1	-----	2	-----	4
Alpena.....	Total.....	181	24	108	22	20	-----	-----	1	-----	6
	Males.....	94	11	61	7	11	-----	-----	-----	-----	4
	Females..	87	13	47	15	9	-----	-----	1	-----	2
Antrim.....	Total.....	75	27	25	17	4	1	1	-----	-----	-----
	Males.....	46	15	15	13	1	1	1	-----	-----	-----
	Females..	28	12	10	4	2	-----	-----	-----	-----	-----
	Unknown	1	-----	-----	-----	1	-----	-----	-----	-----	-----
Baraga.....	Total.....	66	16	42	5	2	-----	-----	1	-----	-----
	Males.....	38	9	25	3	1	-----	-----	-----	-----	-----
	Females..	28	7	17	2	1	-----	-----	1	-----	-----
Barry.....	Total.....	565	419	57	46	36	1	2	1	-----	3
	Males.....	289	217	26	26	18	1	-----	-----	-----	1
	Females..	275	202	30	20	18	-----	2	1	-----	2
	Unknown	1	-----	1	-----	-----	-----	-----	-----	-----	-----
Bay.....	Total.....	890	201	457	109	65	17	29	-----	4	9
	Males.....	466	108	234	52	43	7	14	-----	3	5
	Females..	424	93	223	57	22	10	15	-----	1	3

^a "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "unknown."

^b 3 males and 5 females, mother "America."

^c 2 males and 1 female, father "America."

^d 15 males and 19 females "America;" 2 males, father "America," and 1 male, mother "America."

BIRTHS BY COUNTIES, PARENT-NATIVITY, AND BY SEX. 33

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1876.	NATIVITY OF PARENTS,—1876. ^a								Both Un- known.
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		
							Father.		Mother.		
							Na- tive.	For- eign.	Na- tive.	For- eign.	
Benzie.....	Total.....	71	41	20	7	1			1		1
	Males.....	35	18	11	4	1			1		
	Females.....	36	23	9	3						1
Berrien.....	Total.....	701	425	155	56	13	6	b 4	c 6	2	d 34
	Males.....	372	224	81	34	11	2	2	1	1	16
	Females.....	328	200	74	22	2	4	2	5	1	18
	Unknown.....	1	1								
Branch.....	Total.....	566	492	32	25	13	1		1	1	1
	Males.....	260	265	15	12	5	1			1	
	Females.....	265	225	17	13	8			1		1
	Unknown.....	2	2								
Calhoun.....	Total.....	535	379	66	55	17	3	5	3		7
	Males.....	272	186	35	27	12	1	4	2		5
	Females.....	262	193	31	28	5	2	1	1		1
	Unknown.....	1									1
Cass.....	Total.....	382	312	18	29	14	2		6	1	
	Males.....	188	154	11	13	7			2	1	
	Females.....	193	157	7	16	7	2		4		
	Unknown.....	1	1								
Charlevoix.....	Total.....	82	36	26	12	8					
	Males.....	41	16	14	5	6					
	Females.....	41	20	12	7	2					
Cheboygan.....	Total.....	93	30	89	15	8				1	
	Males.....	51	15	27	5	3				1	
	Females.....	42	15	12	10	5					
Chippewa.....	Total.....	56	16	14	10	8	4	1		1	2
	Males.....	24	6	5	5	4	1	1		1	1
	Females.....	32	10	9	5	4	3				1
Clare.....	Total.....	49	33	4	6	6					
	Males.....	25	15	2	4	4					
	Females.....	24	18	2	2	2					
Clinton.....	Total.....	546	369	75	62	27	4	3	4		2
	Males.....	297	205	33	33	18	2	3	2		1
	Females.....	249	164	42	29	9	2		2		1

^a "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
^b 2 males and 2 females, mother "America."
^c 1 male and 1 female, father "America."
^d 10 males and 14 females "America."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1876.	NATIVITY OF PARENTS,—1876. ^a								
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		Both Un- known.
							Father.		Mother.		
							Na- tive.	For- eign.	Na- tive.	For- eign.	
Delta	Total.....	140	25	85	11	6	.....	b 4	3	c 2	d 4
	Males.....	61	10	39	5	4	.....	1	.....	1	1
	Females..	79	15	46	6	2	.....	3	3	1	3
Eaton	Total.....	694	570	41	47	18	5	1	9	1	2
	Males.....	368	293	25	30	8	1	1	7	1	2
	Females..	326	277	16	17	10	4	.....	2	.....	.....
Emmet	Total.....	88	65	8	8	3	1	.....	1	.....	2
	Males.....	50	36	5	3	2	1	.....	1	.....	2
	Females..	37	28	3	5	1	.....	.....	.....	.....	.....
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Genesee	Total.....	620	403	90	71	50	2	.....	.....	2	2
	Males.....	319	213	43	36	23	2	.....	.....	1	1
	Females..	300	190	47	34	27	.....	.....	.....	1	1
	Unknown	1	.....	.....	1	.....	.....	.....	.....	.....	.....
Gladwin	Total.....	12	7	2	1	2	.....	.....	.....	.....	.....
	Males.....	6	3	1	.....	2	.....	.....	.....	.....	.....
	Females..	6	4	1	1	.....	.....	.....	.....	.....	.....
Gr. Traverse	Total.....	146	82	34	13	10	.....	.....	1	1	5
	Males.....	81	44	16	7	9	.....	.....	.....	1	4
	Females..	65	38	18	6	1	.....	.....	1	.....	1
Gratiot	Total.....	410	306	33	40	27	1	.....	2	.....	1
	Males.....	191	139	17	15	19	.....	.....	.....	.....	1
	Females..	219	167	16	25	8	1	.....	2	.....	.....
Hillsdale	Total.....	512	415	29	21	12	23	3	6	.....	3
	Males.....	275	218	14	12	9	15	2	2	.....	3
	Females..	237	197	15	9	3	8	1	4	.....	.....
Houghton	Total.....	842	37	713	68	17	.....	1	4	1	1
	Males.....	473	17	399	39	14	.....	1	2	1	.....
	Females..	369	20	314	29	3	.....	.....	2	.....	1
Huron	Total.....	516	44	377	58	32	.....	.....	.....	2	3
	Males.....	242	21	172	31	15	.....	.....	.....	1	2
	Females..	273	23	205	27	16	.....	.....	.....	1	1
	Unknown	1	.....	.....	.....	1	.....	.....	.....	.....	.....

^a "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

^b 1 male and 3 females, mother "America."

^c 1 male and 1 female, father "America."

^d 1 male and 3 females "America."

BIRTHS BY COUNTIES, PARENT-NATIVITY, AND BY SEX. 35

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

NATIVITY OF PARENTS,—1876.*											
COUNTIES.	SEX.	Children Born, 1876.	Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		Both Un- known.
							Father.		Mother.		
							Na- tive.	For- eign.	Na- tive.	For- eign.	
Ingham	Total.....	601	435	64	59	25	9	-----	3	2	4
	Males.....	308	220	41	24	13	5	-----	2	1	2
	Females..	292	215	23	35	12	4	-----	1	1	1
	Unknown	1	-----	-----	-----	-----	-----	-----	-----	-----	1
Ionia	Total.....	665	431	80	76	50	13	4	3	4	4
	Males.....	375	247	43	39	30	6	3	2	3	2
	Females..	287	183	35	37	20	7	1	1	1	2
	Unknown	3	1	2	-----	-----	-----	-----	-----	-----	-----
Iosco	Total.....	103	25	41	11	9	1	4	-----	-----	12
	Males.....	67	15	29	7	5	-----	3	-----	-----	8
	Females..	36	10	12	4	4	1	1	-----	-----	4
Isabella	Total.....	198	131	27	22	12	3	2	1	-----	-----
	Males.....	103	71	15	7	9	1	-----	-----	-----	-----
	Females..	94	59	12	15	3	2	2	1	-----	-----
	Unknown	1	1	-----	-----	-----	-----	-----	-----	-----	-----
Isle Royal	Total.....	7	-----	4	1	-----	-----	2	-----	-----	-----
	Males.....	3	-----	1	1	-----	-----	1	-----	-----	-----
	Females..	4	-----	3	-----	-----	-----	1	-----	-----	-----
Jackson	Total.....	766	474	127	75	41	32	3	7	4	3
	Males.....	400	245	73	35	20	17	2	3	3	2
	Females..	366	229	54	40	21	15	1	4	1	1
Kalamazoo	Total.....	620	393	124	44	31	9	4	1	-----	14
	Males.....	294	185	57	27	13	5	-----	1	-----	6
	Females..	326	208	67	17	18	4	4	-----	-----	8
Kalkaska	Total.....	55	31	6	10	6	-----	1	-----	-----	1
	Males.....	25	19	2	2	1	-----	-----	-----	-----	1
	Females..	30	12	4	8	5	-----	1	-----	-----	-----
Kent	Total.....	1,759	723	711	194	106	-----	5	6	3	11
	Males.....	917	384	367	91	61	-----	5	3	-----	6
	Females..	836	337	342	103	44	-----	-----	3	3	4
	Unknown	6	2	2	-----	1	-----	-----	-----	-----	1
Keweenaw	Total.....	285	9	200	23	3	-----	1	-----	2	47
	Males.....	145	5	95	14	3	-----	-----	-----	2	26
	Females..	137	4	102	9	-----	-----	1	-----	-----	21
	Unknown	3	-----	3	-----	-----	-----	-----	-----	-----	-----

* "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1876.	NATIVITY OF PARENTS,—1876. *								Both Un- known.
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		
							Father.		Mother.		
							Na- tive.	For- eign.	Na- tive.	For- eign.	
Lake.....	Total.....	73	50	11	7	4	-----	1	-----	-----	-----
	Males.....	32	23	5	1	2	-----	1	-----	-----	-----
	Females..	41	27	6	6	2	-----	-----	-----	-----	-----
Lapeer.....	Total.....	545	207	177	84	62	4	2	4	1	4
	Males.....	288	108	100	41	30	3	1	2	1	2
	Females..	257	99	77	43	32	1	1	2	-----	2
Leelanaw.....	Total.....	160	53	78	20	8	-----	-----	1	-----	-----
	Males.....	85	29	41	11	3	-----	-----	1	-----	-----
	Females..	75	24	37	9	5	-----	-----	-----	-----	-----
Lenawee.....	Total.....	809	568	128	57	25	14	14	4	-----	1
	Males.....	398	276	67	30	14	5	3	3	-----	-----
	Females..	411	292	59	27	11	9	11	1	-----	1
Livingston.....	Total.....	444	329	49	34	23	4	2	3	-----	-----
	Males.....	233	172	26	20	11	1	2	1	-----	-----
	Females..	210	156	23	14	12	3	-----	2	-----	-----
Mackinac.....	Unknown	1	1	-----	-----	-----	-----	-----	-----	-----	-----
	Total.....	55	30	4	4	4	8	3	1	-----	1
	Males.....	28	16	-----	3	3	5	-----	-----	-----	1
Macomb.....	Females..	27	14	4	1	1	3	3	1	-----	-----
	Total.....	702	285	289	76	40	5	3	1	3	-----
	Males.....	356	142	144	43	24	1	1	-----	1	-----
Manistee.....	Females..	346	143	145	33	16	4	2	1	2	-----
	Total.....	325	63	201	38	18	-----	2	1	1	1
	Males.....	198	40	123	21	10	-----	2	-----	1	1
Manitou.....	Females..	127	23	78	17	8	-----	-----	1	-----	-----
	Total.....	39	3	31	2	1	-----	2	-----	-----	-----
	Males.....	22	2	19	-----	1	-----	-----	-----	-----	-----
Marquette.....	Females..	17	1	12	2	-----	-----	2	-----	-----	-----
	Total.....	898	71	708	62	24	1	3	5	7	17
	Males.....	451	30	354	33	14	-----	2	5	4	9
Mason.....	Females..	447	41	354	29	10	1	1	-----	3	8
	Total.....	192	83	63	26	11	-----	2	-----	1	6
	Males.....	100	47	32	11	6	-----	1	-----	-----	3
	Females..	92	36	31	15	5	-----	1	-----	1	3

* "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1876.	NATIVITY OF PARENTS,—1876. ^a								Both Un- known.
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		
							Father.		Mother.		
							Na- tive.	For- eign.	Na- tive.	For- eign.	
Mecosta.....	Total.....	230	105	75	23	20	-----	-----	-----	-----	2
	Males.....	118	54	41	10	12	-----	-----	-----	-----	1
	Females..	112	51	34	13	8	-----	-----	-----	-----	1
Menominee.....	Total.....	48	15	19	9	1	1	1	-----	-----	2
	Males.....	21	6	8	5	1	-----	-----	-----	-----	1
	Females..	25	9	10	4	-----	1	1	-----	-----	-----
	Unknown	2	-----	1	-----	-----	-----	-----	-----	-----	1
Midland.....	Total.....	114	52	35	9	17	1	-----	-----	-----	-----
	Males.....	60	28	16	7	10	1	-----	-----	-----	-----
	Females..	54	24	19	2	7	-----	-----	-----	-----	-----
Missaukee.....	Total.....	24	4	12	4	1	-----	3	-----	-----	-----
	Males.....	11	2	6	1	1	-----	1	-----	-----	-----
	Females..	13	2	6	3	-----	-----	2	-----	-----	-----
Monroe.....	Total.....	703	460	141	69	21	-----	-----	1	1	-----
	Males.....	365	239	77	32	16	-----	-----	1	-----	-----
	Females..	337	220	64	37	15	-----	-----	-----	1	-----
	Unknown	1	1	-----	-----	-----	-----	-----	-----	-----	-----
Montcalm.....	Total.....	498	304	97	43	33	-----	1	8	4	8
	Males.....	242	154	38	25	15	-----	1	2	3	4
	Females..	256	150	59	18	18	-----	-----	6	1	4
Muskegon.....	Total.....	430	89	269	50	12	4	1	2	1	2
	Males.....	228	49	142	26	6	2	-----	1	1	1
	Females..	202	40	127	24	6	2	1	1	-----	1
Newaygo.....	Total.....	197	126	30	24	13	3	-----	-----	-----	1
	Males.....	96	67	12	7	8	1	-----	-----	-----	1
	Females..	100	59	17	17	5	2	-----	-----	-----	-----
	Unknown	1	-----	1	-----	-----	-----	-----	-----	-----	-----
Oakland.....	Total.....	596	357	94	73	47	13	4	5	1	2
	Males.....	302	183	44	40	23	5	3	2	1	1
	Females..	292	174	50	33	24	8	1	2	-----	-----
	Unknown	2	-----	-----	-----	-----	-----	-----	1	-----	1
Oceana.....	Total.....	254	160	38	30	14	3	2	2	-----	5
	Males.....	126	80	17	20	7	-----	-----	1	-----	1
	Females..	128	80	21	10	7	3	2	1	-----	4

^a "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

^b 1 male, father "America."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1876.	NATIVITY OF PARENTS—1876. *								Both Un- known.
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		
							Father.		Mother.		
							Na- tive.	For- eign.	Na- tive.	For- eign.	
Ogemaw											
Ontonagon.....	Total.....	75	12	43	16	4					
	Males.....	40	4	23	10	3					
	Females..	35	8	20	6	1					
Osceola	Total.....	214	90	81	23	17				1	2
	Males.....	107	44	45	9	8					1
	Females..	107	46	36	14	9				1	1
Otsego	Total.....	15	8	2	1	2	1	1			
	Males.....	1	1								
	Females..	14	7	2	1	2	1	1			
Ottawa	Total.....	906	336	423	89	47			4	2	6
	Males.....	479	171	222	50	28			4		4
	Females..	427	165	200	39	19				2	2
Presque Isle.....	Total.....	65	1	64							
	Males.....	38		38							
	Females..	27	1	26							1
Roscommon.....	Total.....	3	2								1
	Males.....	2	1								1
	Females..	1	1								
Saginaw	Total.....	1,375	376	638	158	98	10	40	4	7	44
	Males.....	713	194	335	83	50	4	23	2	4	18
	Females..	648	181	298	74	48	6	17	2	3	19
	Unknown	14	1	5	1						7
Sanilac	Total.....	575	63	355	104	51				2	
	Males.....	292	34	188	44	25				1	
	Females..	283	29	167	60	26				1	
Schoolcraft.....	Total.....	6		4	1	1					
	Males.....	2		2							
	Females..	4		2	1	1					
Shiawassee.....	Total.....	473	310	77	46	39			2		
	Males.....	259	183	40	17	15			1		
	Females..	214	127	37	29	20			1		

* "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

^b No returns of births from the township of Edwards, and no births in the townships of Church-ill, Ogemaw, and Rose.

^c 1 male and 2 females "America."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1876.	NATIVITY OF PARENTS,—1876. *								Both Un- known.
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		
							Father.		Mother.		
							Na- tive.	For- eign.	Na- tive.	For- eign.	
St. Clair-----	Total.....	1,093	259	517	176	89	12	5	8	5	23
	Males.....	549	125	250	97	49	9	2	4	3	10
	Females..	541	134	266	79	40	2	3	4	2	11
	Unknown	3		1			1				1
St. Joseph-----	Total.....	542	412	78	28	18	1	1	3		1
	Males.....	272	210	39	14	6	1	1	1		
	Females..	270	202	39	14	12			2		1
	Unknown										
Tuscola-----	Total.....	490	221	147	65	50		2	2	1	2
	Males.....	253	116	76	32	24		1	2	1	1
	Females..	237	105	71	33	26		1			1
	Unknown										
Van Buren-----	Total.....	582	449	43	56	26	1		5		2
	Males.....	285	226	24	21	10			3		1
	Females..	297	223	19	35	16	1		2		1
	Unknown										
Washtenaw-----	Total.....	653	303	173	99	32	12	13	11	1	9
	Males.....	345	167	90	43	22	9	8	4		2
	Females..	308	136	83	56	10	3	5	7	1	7
	Unknown										
Wayne-----	Total.....	5,009	1,886	2,490	546	245	45	42	57	11	187
	Males.....	2,636	721	1,304	281	151	20	18	29	4	108
	Females..	2,365	663	1,183	264	94	25	24	28	7	77
	Unknown	8	2	3	1						2
Wexford-----	Total.....	116	62	33	10	7		3			1
	Males.....	59	31	15	6	5		1			1
	Females..	57	31	18	4	2		2			
	Unknown										

^a "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
^b 1 male, father "America."
^c 2 males, father "America;" 1 male, mother "America," and 3 males "America."

AVERAGE ULTIMATE NUMBER OF CHILDREN TO A MOTHER, 1876.

Exhibit 1 is used to demonstrate the method of ascertaining the average number of children to a mother during a life-time. The principle of the exhibit has been explained in the two Reports preceding this. The figures which are here placed in the diagonal column between the two zigzag lines which cross the other columns, were taken from the "Twenty-fourth Registration Report, Rhode Island, 1876," and the remaining figures were obtained by means of the principles explained in "Vital Statistics of Michigan, 1876," pages 40-41. According to this Exhibit, the average ultimate number of children to an average mother, based upon the statistics of births in Rhode Island in 1876, is 6.07. The statistics of Rhode Island for 1875 show the average number to be 6.15; and the statistics of the city of Providence, R. I., show the average number to be 6.35. This relates to an *average* mother, and not to *every* mother. If, as has been done in a preceding Report, a computation is made relative to every woman who becomes a mother, the average number of children to each mother is found to be less than is shown for an average mother, because quite a considerable proportion of mothers die after bearing their first or second child. On page 44 of the Vital Statistics of Michigan, 1874, is an exhibit based upon statistics for twenty years (1857-1876), showing the average ultimate number of children to an average mother to be a little less than six (5.91), while the average ultimate number of children to each woman who becomes a mother is four. This was learned by a careful study of the statistics in Rhode Island. It is very much regretted that the law in Michigan does not yet provide for ascertaining the number of the child born of the same mother.

AVERAGE NUMBER OF CHILDREN TO A MOTHER.

41

—Showing the number of First, Second, Third, etc., Children born of Rhode Island in 1876, the number of Children which the Mothers of en had borne previously to 1876, and the number of Children, which, indicated by the births in 1876, they will probably bear subsequently

CHILDREN TO BE BORN AFTER 1876.																				
NUMBER OF THE CHILD.																				Total.
2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.		
299	1010	756	530	410	269	178	116	73	56	43	18	12	3	3	1	---	1	1	4,779	
290	1010	756	530	410	269	178	116	73	56	43	18	12	3	3	1	---	1	1	3,480	
010	1010	756	530	410	269	178	116	73	56	43	18	12	3	3	1	---	1	1	2,470	
756	756	756	530	410	269	178	116	73	56	43	18	12	3	3	1	---	1	1	1,714	
530	530	530	530	410	269	178	116	73	56	43	18	12	3	3	1	---	1	1	1,184	
410	410	410	410	410	269	178	116	73	56	43	18	12	3	3	1	---	1	1	774	
269	269	269	269	269	269	178	116	73	56	43	18	12	3	3	1	---	1	1	505	
178	178	178	178	178	178	178	116	73	56	43	18	12	3	3	1	---	1	1	327	
116	116	116	116	116	116	116	116	73	56	43	18	12	3	3	1	---	1	1	211	
73	73	73	73	73	73	73	73	73	56	43	18	12	3	3	1	---	1	1	138	
56	56	56	56	56	56	56	56	56	56	43	18	12	3	3	1	---	1	1	82	
43	43	43	43	43	43	43	43	43	43	43	18	12	3	3	1	---	1	1	39	
18	18	18	18	18	18	18	18	18	18	18	18	12	3	3	1	---	1	1	21	
12	12	12	12	12	12	12	12	12	12	12	12	12	3	3	1	---	1	1	9	
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	---	1	1	6	
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	---	1	1	3
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	---	1	1	2	
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	1	2
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	---
Total of diagonal line, for children born in 1876=6,297.																				15,747

e child born, of the same mother, in 1876.

previously to 1876=15,747.

luring the year 1876=6,297.

subsequently to 1876=15,747.

ore children in 1876=6,227. (The number of twin-births was 70.)

748+6,227=6.07, the average number of children to an average mother in a life-time, accord-

data.

TWIN CHILDREN, 1876.

More twin children were returned as having been born in Michigan in 1876 than in any previous year, 856 having been returned for 1876. Table IX. shows the number of pairs of twins, and the number of twin children, by months arranged in order, those months first in which occurred the greatest number of twin births. The months of July, August, and June, head the list in this order, and these births were probably conceived during the months of October, November, and September of the preceding year. Those twin children who were born in months which fall below the average monthly number in 1876 were conceived in February, April, May, and July. This table may be compared with Table III. and with Exhibit E, pages 11-12. In order to facilitate the comparison, a column has been added to Table IX. in this Report, exhibiting the relation of the twin births to all births. The column is also of interest for comparison with the one next to it relating to the proportions of the sexes. In 1876 there was an excess of females among the twin children, there being only 92 males to 100 females. This is the smallest proportion of males among twin children in any year except in 1872, when there were only 91 males to 100 females. The average proportion of the sexes among twin births for the eight years 1869-1876 is 102 males to 100 females. This is a smaller proportion of males than is found among all children born.

TABLE IX.—*Exhibiting, by Sex, the Number of Pairs of Twins, and the Number of Twin Children returned as having been Born in Michigan during the Year 1876, by Months arranged in Order by Number; also, by Pairs and by Individuals, the Number of Males to 100 Females.*

YEAR AND MONTHS.		NUMBER OF TWIN CHILDREN, 1876.					Per Cent to All Child- ren Born.	NUMBER OF PAIRS OF TWINS, 1876.						
		Total.	Males.	Fe- males.	Un- kno'n.	Males to 100 Fe- males.		Total.	Males.	Fe- males.	One of each Sex.	Un- kno'n.	Males to 100 One of each Sex.	Males to 100 Fe- males.
Year, 1876		856	409	443	4	92	.95	428	134	141	161	2	77	88
More than the Average Number of Twins.	July.....	86	38	48	.....	79	1.09	43	9	14	20	.....	45	64
	August.....	86	43	41	2	105	1.07	43	11	10	21	1	52	110
	June.....	82	41	41	.....	100	1.11	41	13	13	15	.....	87	100
	September..	82	47	35	.....	134	1.05	41	18	12	11	.....	164	150
	October....	78	40	38	.....	105	1.05	39	12	11	16	.....	75	109
	March.....	76	38	38	.....	100	.96	38	11	11	16	.....	69	100
	May.....	74	35	39	.....	90	.94	37	11	13	13	.....	85	85
	December..	72	32	38	2	84	.97	36	11	14	10	1	110	79
Average per mo..		71.3	34.1	36.9	.3	.....	.....	35.7	10.3	11.8	13.4	.2	.....	.....
Less than the Av. No. of Twins.	April.....	68	31	37	.....	81	.88	34	9	12	13	.....	69	75
	February...	64	29	35	.....	83	.92	32	8	11	13	.....	62	73
	January....	52	18	34	.....	53	.76	26	5	13	8	.....	62	38
	November..	36	17	19	.....	89	.52	18	6	7	5	.....	120	86

The proportion of twin births among parents of different nativities may be studied in table X., and by this table in connection with table VII. it will be seen that the proportion of foreign-born parents is greater for twins than for all children born, and of native-born parents the proportion is smaller for twins than for all children born. This indicates that foreign-born parents are more productive of twin births than are the native-born parents; and as this evidence is the same for a series of years it seems to be conclusive, because the tables include for consideration all parents; yet if we turn to Exhibit 5, page 44, which deals with the mothers only, we find that, although the proportion of twin births has been, in every year from 1871 to 1875 inclusive, greater among the foreign-born than among the native-born mothers, in 1876 the proportion of twins was greatest among the native-born mothers. Turning now to a study of Tables VII. and XI. it appears that while, of all children born in 1876, the proportion which were born under a mixed parent-nativity was, respectively, (see Table VII.) "Foreign Father and Native Mother," 10.48, "Foreign Mother and Native Father," 5.46 per cent, the proportion of pairs of twins was, "Foreign Father and Native Mother," 13.55, "Foreign Mother and Native Father," only 2.80 per cent of all twins born in 1876. Taken in connection with what has gone before, showing excess of twins born of foreign-born parents, this would seem to indicate that we must look further than to the mother's influence alone for causes tending to the production of twin births; indeed, so far as the evidence of a single year teaches, it is that, in the production of twins, the influence of the father is greater than that of the mother. It will be interesting to study this question further in future Reports.

TABLE X.—*Parent-Nativity of Twins Returned as having been Born in Michigan during the year 1876.*

NATIVITY OF PARENTS OF TWINS, 1876.	PAIRS OF TWINS, 1876.									
	NUMBER.					PER CENT OF EACH PARENT-NATIVITY TO TOTAL OF ALL NATIVITIES.				
	Total.	Males.	Fe- males.	One of Each Sex.	Un- kno'n.	Total.	Males.	Fe- males.	One of Each Sex.	Un- kno'n.
All Nativities.....	428	124	141	161	2	100.00	100.00	100.00	100.00	100.00
Both Native.....	188	55	57	76	.....	43.93	44.35	40.43	47.20	.....
Both Foreign.....	158	45	56	56	1	36.92	36.29	39.72	34.78	50.00
Foreign Father and Native Mother.....	58	14	23	21	.....	13.55	11.29	16.31	13.04	.....
Foreign Mother and Native Father.....	12	7	2	3	.....	2.80	5.65	1.42	1.86	.....
Unknown Mother, Father Native.....	3	1	1	1	.....	.70	.81	.71	.62	.....
Unknown Mother, Father Foreign.....	1	.....	1	.....	.....	.23	.....	.71	.....	.....
Unknown Father, Mother Native.....	3	.....	.....	3	.....	.70	.....	.....	1.86	.....
Unknown Father, Mother Foreign.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Both Unknown.....	5	2	1	1	1	1.17	1.61	.71	.62	50.00
One or Both Native.....	264	77	83	104	.....	61.68	62.10	58.87	64.00	.....
One or Both Foreign.....	229	66	82	80	1	53.50	53.23	58.16	49.69	50.00

EXHIBIT 5.—*By Nativity and by Color of Mothers, the Number and Proportion of Twin Births Returned as having occurred in Michigan during the Years 1874 to 1876, inclusive.*

NATIVITY AND COLOR OF MOTHERS OF TWINS.	1874.			1875.			1876.		
	Pairs of Twins.	All Mothers Including those of Twins.	Per Ct. of Births of Twins to all Mothers.	Pairs of Twins.	All Mothers Including those of Twins.	Per Ct. of Births of Twins to all Mothers.	Pairs of Twins.	All Mothers Including those of Twins.	Per Ct. of Births of Twins to all Mothers.
Mothers of all Colors and of all Nativities.....	408	30,739	1.33	370	31,586	1.17	428	33,791	1.27
All Native Mothers.....	211	16,452	1.28	174	17,510	.99	249	19,086	1.30
All Foreign Mothers.....	182	12,210	1.49	184	12,777	1.44	170	13,679	1.24
Mothers of Unknown Nativities.....	15	2,077	.72	12	1,299	.92	9	1,026	.88
White.....	401	30,238	1.33	365	31,147	1.17	424	33,273	1.27
Black.....	1	145	.69	1	112	.89	1	139	.72
Mulatto.....	2	81	2.47	2	89	2.25	-----	88	-----
Indian.....	3	139	2.16	-----	136	-----	2	139	1.44
Unknown.....	1	196	.74	2	162	1.96	1	152	.66
Black and Mulatto.....	3	226	1.33	3	201	1.49	1	227	.44

TABLE XI.—*Parent-Nativity of Twins Returned as having been Born in Michigan during the Year 1876, distinguishing between Parents who were Natives of the same State and those born in different States or Countries.*

NATIVITY OF PARENTS OF TWINS, 1876.	PAIRS OF TWINS, 1876.									
	NUMBER.					PER CENT OF EACH PARENT-NATIVITY TO TOTAL OF ALL NATIVITIES.				
	Total.	Males.	Females.	One of Each Sex.	Un-kno'n.	Total.	Males.	Females.	One of Each Sex.	Un-kno'n.
All Nativities.....	428	124	141	161	2	100.00	100.00	100.00	100.00	100.00
Same American State or Foreign Country.....	226	64	74	87	1	52.80	51.61	52.48	54.04	50.00
Different American States or Foreign Countries.....	120	36	39	45	-----	28.04	29.03	27.66	27.95	-----
Foreign Father and Native Mother.....	58	14	23	21	-----	13.55	11.29	16.31	18.04	-----
Foreign Mother and Native Father.....	12	7	2	3	-----	2.80	5.65	1.43	1.86	-----
Unknown Mother, Father Native.....	3	1	1	1	-----	.70	.81	.71	.63	-----
Unknown Mother, Father Foreign.....	1	-----	1	-----	-----	.23	-----	.71	-----	-----
Unknown Father, Mother Native.....	3	-----	-----	3	-----	.70	-----	-----	1.86	-----
Unknown Father, Mother Foreign.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Both Unknown.....	5	2	1	1	1	1.17	1.61	.71	.63	50.00
Different States or Countries.....*	190	57	64	69	-----	44.39	45.97	45.39	42.86	-----

* Includes "Different American States or Foreign Countries," "Foreign Father and Native Mother," and "Foreign Mother and Native Father." Compare with "Same American State or Foreign Country."

BIRTHS OF TWINS, BY COUNTIES, PARENT-NATIVITY, ETC. 45

TABLE XII.—*Exhibiting, for the State and Counties, by Sex, the Number of Pairs of Twins, the Number of Twin Children, and the Nativity of Parents of Twins Returned as having been born in Michigan during the Year 1876. Nativity Stated by Pairs of Twins.*

STATE AND COUNTIES.		SEX.	Number of Individuals.	Number of Pairs of Twins, 1876.	NATIVITY OF PARENTS OF TWINS, 1876. ^a											
					NATIVE.		FOREIGN.				MOTHER UNK.		FATHER UNK.		Both Unknown.	
					Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Father.		Mother.			
											Native.	Foreign.	Native.	Foreign.		
State	Total	856	428	93	95	133	25	58	12	3	1	3	...	5		
	Males	409	124	b 24	c 31	d 40	5	14	7	1	...	...	...	e 2
	Females	443	141	f 33	g 24	h 41	i 15	j 23	2	1	1	...	...	...
	One of each	...	161	k 36	40	l 51	5	m 21	3	n 1	...	o 3	...	p 1		
	Unknown	4	2	...	...	m 1	...	...	...	...	...	...	...	m 1
Allegan	Total	32	16	3	5	4	3	1	...	...	...	...	...	...
	Males	10	2	...	1	1	...	...	...	...	...	...	...	...
	Females	22	8	1	1	3	m 2	1	...	...	...	...	...	...
	One of each	...	6	2	3	...	1	...	...	...	...	...	...	...
Alpena	Total	6	3	1	...	2	...	...	...	...	...	...	...	...
	Males	5	2	1	...	p 1	...	...	...	...	...	...	...	...
	Females	1	1	...	...	...	...	...	...	...	...	...	...	...
Baraga	Total	...	1	...	...	1	...	...	...	...	...	...	...	...
	Females	2	1	...	...	1	...	...	...	...	...	...	...	...
Barry	Total	8	4	2	1	...	1	...	...	...	...	...	...	...
	Males	3	...	...	...	...	...	...	...	...	...	...	...	...
	Females	5	1	1	...	...	...	...	...	...	...	...	...	...
Bay	Total	28	14	2	1	7	1	2	...	1	...	...	...	...
	Males	13	3	...	...	2	...	1	...	...	...	...	...	...
	Females	15	4	q 1	...	2	...	1	...	...	...	...	...	...
	One of each	...	7	r 1	1	s 3	1	...	m 1	...	...	...	...	...

^a "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America," were compiled with the "Unknown."

- ^b 1 pair still-born, and 1 pair Indian. ^c 2 pairs and 1 male still-born, and 1 pair illegitimate.
^d 5 pairs and 4 males still-born. ^e 1 male still-born, and 1 pair illegitimate.
^f 1 pair still-born, and 1 pair Indian. ^g 1 female still-born.
^h 2 females still-born, and 2 half-pairs unknown sex.
ⁱ 2 pairs and 1 female still-born. ^j 3 pairs still-born.
^k 4 pairs and 1 male still-born, and 1 pair illegitimate.
^l 3 pairs, 1 male and 2 females still-born, and 1 pair black.
^m 1 pair still-born. ⁿ 1 pair illegitimate. ^o 1 pair unknown color.
^p 1 male still-born. ^q 1 pair Indian.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins, 1876.	NATIVITY OF PARENTS OF TWINS, 1876. *										
				NATIVE.		FOREIGN.		Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		Both Unknown.
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.			Father.		Mother.		
										Native.	Foreign.	Native.	Foreign.	
Berrien.....	Total.....	26	13		8	3		1	1					
	Males.....	12	2			1			1					
	Females.....	14	3		1	1		1						
	One of each.....		8		7	b 1								
Branch.....	Total.....	24	12	6	3	1		2						
	Males.....	13	3	2				1						
	Females.....	11	2		2									
	One of each.....		7	b 4	1	1		1						
Calhoun.....	Total.....	10	5	4			1							
	Males.....	5	2	2										
	Females.....	5	2	2										
	One of each.....		1				1							
Cass.....	Total.....	8	4	1	2			1						
	Males.....	4	2	1					1					
	Females.....	4	2		2									
	One of each.....													
Chippewa.....	Total.....	4	2					2						
	Males.....	1												
	Females.....	3	1					1						
	One of each.....		1					1						
Clinton.....	Total.....	12	6	3		2	1							
	Males.....	3	1			1								
	Females.....	9	4	2		1	1							
	One of each.....		1	c 1										
Delta.....	Total.....	4	2		1	1								
	Males.....	2	1			1								
	Females.....	2	1		1									
Eaton.....	Total.....	22	11	3	7		1							
	Males.....	10	3	1	1		1							
	Females.....	12	4		4									
	One of each.....		4	2	2									

^a "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

^b 1 male still-born.

^c 1 pair still-born.

BIRTHS OF TWINS, BY COUNTIES, PARENT-NATIVITY, ETC. 47

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins, 1876.	NATIVITY OF PARENTS OF TWINS, 1876. ^a										Both Unknown.
				NATIVE.		FOREIGN.		Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.			Father.		Mother.		
										Native.	Foreign.	Native.	Foreign.	
Emmet.....	Males.....	2	1	b 1										
	Total.....	6	3	1	2									
Genesee.....	Males.....	5	2		2									
	Females.....	1												
	One of each.....		1	1										
Gladwin.....	Males.....	2	1	1										
	Total.....	6	3	1	1									
Grand Traverse	Males.....	2	1						1					
	Females.....	4	2	1	1			1	1					
Gratiot.....	Males.....	6	3		1		1	1						
	Total.....	14	7	3	3			1						
Hillsdale.....	Males.....	8	3	1	1			1						
	Females.....	6	2	c 2										
	One of each.....		2		2									
	Total.....	28	14	1		8	1	3	1					
Houghton.....	Males.....	16	6			c d 3	1	1	1					
	Females.....	12	4	1		2		e 1						
	One of each.....		4			c 3		1						
	Total.....	22	11			8	2	1						
Huron.....	Males.....	3	1			1								
	Females.....	19	9			e 6	c 2	1						
	One of each.....		1			1								
	Total.....	28	14	7	3		1	3						
Ingham.....	Males.....	12	5	1	3			1						
	Females.....	16	7	4				1	2					
	One of each.....		2	2										
	Total.....	20	10	3	5	1		1						
	Males.....	11	3		d 3									
Ionis.....	Females.....	7	1	1										
	One of each.....		5	2	2			1						
	Unknown.....	2	1			e 1								

^a "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
^b 1 pair Indian. ^c 1 pair still-born. ^d 1 male still-born. ^e 1 female still-born.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins, 1876.	NATIVITY OF PARENTS OF TWINS, 1876. ^a															
				NATIVE.		FOREIGN.		Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		Both Unknown.					
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.			Father.		Mother.							
										Native.	Foreign.	Native.	Foreign.						
Iosco.....	Males.....	2	1																
Isabella.....	Total.....	4	2		2														
	Males.....	3	1		1														
	Females.....	1																	
	One of each.....		1		1														
Jackson.....	Total.....	22	11	2	3	2		2	1	1									
	Males.....	13	3		c 1			1	1										
	Females.....	9	1							1									
	One of each.....		7	2	2	2		1											
Kalamazoo.....	Total.....	12	6	3	1				1		1								
	Males.....	8	3	1	1					1									
	Females.....	4	1									1							
	One of each.....		2	2									1						
Kalkaska.....	Total.....	4	2		1			1											
	Males.....	3	1		1														
	Females.....	1																	
	One of each.....		1					1											
Kent.....	Total.....	48	24	1	5	11		6	1										
	Males.....	24	7		1	c 3		3											
	Females.....	24	7	1		d 4		2											
	One of each.....		10		4	4		1	1										
Keweenaw.....	Total.....	12	6			4	1												1
	Males.....	7	3			3													
	Females.....	5	2			1	1												
	One of each.....		1																e1
Lake.....	Total.....	2	1		1														
	Males.....	1																	
	Females.....	1																	
	One of each.....		1		1														

^a "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

^b 1 male still-born.

^c 1 pair still-born.

^d 1 pair unknown sex.

^e 1 pair color unknown.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins, 1876.	NATIVITY OF PARENTS OF TWINS, 1876. *										
				NATIVE.		FOREIGN.		Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		Both Unknown.
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.			Father.		Mother.		
										Native.	Foreign.	Native.	Foreign.	
Lapeer.....	Total.....	10	5	1	1	1	.....	2	.....	.....	.....	.....	.....
	Males.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Females.....	6	1	.....	.....	b 1	.....	.....	.....	.....	.....	.....	.....
	One of each.....	.....	4	1	1	.....	.....	2	.....	.....	.....	.....	.....
Leelanaw.....	Total.....	4	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....
	Males.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Females.....	3	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
	One of each.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Lenawee.....	Total.....	12	6	1	3	1	.....	1	.....	.....	.....	.....	.....
	Males.....	6	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Females.....	6	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
	One of each.....	.....	4	.....	c 3	1	.....	.....	.....	.....	.....	.....	.....
Livingston.....	Total.....	10	5	2	3	.....	.....	.....	.....	.....	.....	.....	.....
	Males.....	4	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
	Females.....	6	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....
	One of each.....	.....	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Macomb.....	Total.....	10	5	2	.....	3	.....	.....	.....	.....	.....	.....	.....
	Males.....	6	1	.....	.....	d 1	.....	.....	.....	.....	.....	.....	.....
	Females.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	One of each.....	.....	4	e 2	.....	c 2	.....	.....	.....	.....	.....	.....	.....
Manistee.....	Total.....	8	4	.....	.....	4	.....	.....	.....	.....	.....	.....	.....
	Males.....	5	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
	Females.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	One of each.....	.....	3	.....	.....	3	.....	.....	.....	.....	.....	.....	.....
Marquette.....	Total.....	16	8	.....	.....	7	1	.....	.....	.....	.....	.....	.....
	Males.....	10	4	.....	.....	4	.....	.....	.....	.....	.....	.....	.....
	Females.....	6	2	.....	.....	1	1	.....	.....	.....	.....	.....	.....
	One of each.....	.....	2	.....	.....	b 2	.....	.....	.....	.....	.....	.....	.....
Mason.....	Total.....	6	3	1	.....	1	1	.....	.....	.....	.....	.....	.....
	Males.....	3	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
	Females.....	3	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
	One of each.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....

* "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
 b 1 female still-born. c 1 pair still-born. d 1 male still-born. e 1 pair illegitimate.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins, 1876.	NATIVITY OF PARENTS OF TWINS, 1876. a										
				NATIVE.		FOREIGN.		Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		Both Unknown.
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.			Father.		Mother.		
										Native.	Foreign.	Native.	Foreign.	
Mecosta	Total.....	8	4	2				1	1					
	Males.....	1												
	Females.....	7	3	1				1	1					
	One of each.....		1	1										
Menominee	Total.....	6	3			2		1						
	Males.....	5	2			1		1						
	Females.....	1												
	One of each.....		1			1								
Midland	Females.....	2	1			1								
Monroe	Total.....	12	6	2	2			1	1					
	Males.....	6	1	1										
	Females.....	6	1		1									
	One of each.....		4	1	1			1	1					
Montcalm	Total.....	16	8		2	5		1						
	Males.....	5	2		2									
	Females.....	11	5			4		1						
	One of each.....		1			1								
Muskegon	Total.....	10	5	1	1	2		1						
	Males.....	6	3	1	1	1								
	Females.....	4	2			1		1						
	One of each.....													
Newaygo	Total.....	4	2		1	1								
	Males.....	3	1		1									
	Females.....	1												
	One of each.....		1			1								
Oakland	Total.....	18	9	2	3	2		2						
	Males.....	9	2	1	1									
	Females.....	9	3		1	1								
	One of each.....		5	1	1	1		2						

* "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

b 1 female still-born.

c 1 pair illegitimate.

d 1 pair still-born.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins, 1876.	NATIVITY OF PARENTS OF TWINS, 1876. ^a										Both Unknown.
				NATIVE.		FOREIGN.		Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.			Father.		Mother.		
										Native.	Foreign.	Native.	Foreign.	
Oceana	Total	12	6	1	3			1				1		
	Males	6	2	1				1						
	Females	6	2		2									
	One of each		2		1							1		
Ontonagon	Males	2	1			b 1								
Osceola	Total	6	3		1	2								
	Males	1												
	Females	5	2		1	1								
	One of each		1			1								
Otsego	Females	2	1	1										
Ottawa	Total	20	10	2	1	5		2						
	Males	11	3		1	1		1						
	Females	9	2	2										
	One of each		5			4		1						
Presque Isle	Total	2	1			1								
	Males	1												
	Females	1												
	One of each		1			1								
Saginaw	Total	32	16	5	1	7		1						2
	Males	16	b 5	b 2		3								
	Females	14	c 4	1		c 2								1
	One of each		d 6	2	1	d 2		1						
	Unknown	2	b 1											b 1
Sanilac	Total	5	4			1	2	1						
	Males	2	1			1								
	Females	6	3				2	1						
Shiawassee	Total	18	9	1	2	2	2	1	1					
	Males	9	e 4		1	e 2			1					
	Females	9	4	1			2	1						
	One of each		1		1									

^a "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

b 1 pair still-born.

c 1 half-pair unknown sex.

d 2 pairs still-born.

e 1 pair and 1 male still-born.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins, 1876.	NATIVITY OF PARENTS OF TWINS, 1876. *												
				NATIVE.		FOREIGN.		Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK.		FATHER UNK.		Both Unknown.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.			Father.		Mother.				
										Native.	Foreign.	Native.	Foreign.			
St. Clair.....	Total.....	40	20	4	-----	9	2	3	1	1	-----	-----	-----	-----		
	Males.....	13	2	1	-----	-----	-----	-----	-----	1	-----	-----	-----	-----		
	Females.....	27	b 9	3	-----	4	b 1	1	-----	-----	-----	-----	-----	-----		
	One of each.....	-----	9	-----	-----	5	1	2	1	-----	-----	-----	-----	-----		
St. Joseph.....	Total.....	16	8	4	2	-----	-----	1	1	-----	-----	-----	-----	-----		
	Males.....	5	2	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	Females.....	11	5	2	1	-----	-----	1	1	-----	-----	-----	-----	-----		
	One of each.....	-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
Tuscola.....	Total.....	8	4	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	Males.....	6	3	1	2	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	Females.....	2	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
Van Buren.....	Total.....	18	9	1	5	1	-----	2	-----	-----	-----	-----	-----	-----		
	Males.....	3	1	-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	Females.....	15	7	1	3	1	-----	2	-----	-----	-----	-----	-----	-----		
	One of each.....	-----	1	-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----		
Washtenaw.....	Total.....	18	9	3	1	1	-----	3	-----	-----	-----	1	-----	-----		
	Males.....	9	2	1	-----	1	-----	-----	-----	-----	-----	-----	-----	-----		
	Females.....	9	2	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	One of each.....	-----	5	1	-----	-----	-----	3	-----	-----	-----	1	-----	-----		
Wayne.....	Total.....	74	37	6	3	17	3	6	-----	-----	-----	1	-----	1		
	Males.....	41	c 12	1	d 2	d 6	1	1	-----	-----	-----	-----	-----	d 1		
	Females.....	33	d 8	1	-----	2	2	d 3	-----	-----	-----	-----	-----	-----		
	One of each.....	-----	e 17	4	1	e 9	-----	2	-----	-----	-----	e 1	-----	-----		
Wexford.....	Total.....	2	1	-----	-----	1	-----	-----	-----	-----	-----	-----	-----	-----		
	Males.....	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	Females.....	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
	One of each.....	-----	1	-----	-----	1	-----	-----	-----	-----	-----	-----	-----	-----		

* "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknownn."

b 1 female still-born.

c 1 pair illegitimate.

d 1 pair still-born.

e 1 pair black.

TABLE XIII.—*Occupations of Fathers of Twins Born in Michigan during the Year 1876, according to the Returns.*

OCCUPATIONS OF FATHERS OF TWINS, 1876.	Pairs of Twins.	OCCUPATIONS OF FATHERS OF TWINS, 1876.	Pairs of Twins.
ALL OCCUPATIONS.....	428	Masons.....	1
Agents.....	1	Mechanics.....	4
Bankers.....	1	Merchants.....	2
Blacksmiths.....	5	Mill Hands.....	1
Boarding-house keepers.....	1	Millers.....	1
Brickmakers.....	1	Miners.....	13
Builders.....	1	Ministers.....	5
Butchers.....	4	Moulders.....	1
Cabinet-makers.....	2	Organ Manufacturers.....	1
Carpenters.....	11	Painters.....	1
Carpenters and Joiners.....	1	Peddlers.....	3
Civil Engineers.....	1	Physicians.....	3
Clerks.....	6	Potters.....	1
Comedians.....	1	Policemen.....	2
Conductors.....	1	Railroad Laborers.....	1
Contractors.....	1	Railroad Masters.....	1
Cooks.....	1	Railroad Superintendents.....	1
Coopers.....	4	Sailors.....	4
Draymen.....	1	Saloon-keepers.....	3
Druggists.....	2	Sawyers.....	1
Engineers.....	3	Shoemakers.....	3
Farmers.....	217	Showmen.....	1
Farm Laborers.....	5	Slaters.....	1
Fishermen.....	1	Speculators.....	2
Gardeners.....	2	Stage-managers.....	1
Gas Men.....	1	Store-keepers.....	2
Grocers.....	2	Tailors.....	1
Harness-makers.....	2	Teachers.....	1
Hotel-keepers.....	1	Teamsters.....	3
Joiners.....	1	Tinsmiths.....	2
Laborers.....	61	Turners.....	1
Lawyers.....	2	Unknown.....	8
Lumbermen.....	1	Wagon-makers.....	3
Lumber Inspectors.....	1	Ware-house Men.....	
Machinists.....	1	Whisky Manufacturers.....	1

TRIPLET CHILDREN, 1876.

Eight sets of Triplets were returned as having been born in Michigan in 1876,—a larger number than for any previous year. Of these 24 children, 12 were males and 12 were females. Seven of the eight sets were born during the three spring months—March, April, May—and one set was born in July.

TABLE XIX.—*Exhibiting the Details concerning Triplet Children Returned as having been Born in Michigan during the Year 1876.*

COUNTIES.	TRIPLET CHILDREN, 1876.				PARENTS OF TRIPLETS, 1876.		
	Month of Birth, 1876.	Color.	SEX.		Birthplace of Father.	Birthplace of Mother.	Occupation of Father.
			Males.	Fe-males.			
Branch	May	White...	1	2	New York	New York	Farmer.
Genesee	April.....	White...	2	1	England..	New York	Farmer.
Genesee	February..	White...	.....	3	New York	Michigan..	Carpenter.
Grand Traverse.....	May	White...	1	2	New York	New York	Farmer.
Hillsdale	May	White...	1	2	Ohio.....	Ohio.....	Laborer.
Monroe	May	White...	3	.....	Germany..	Germany..	Laborer.
Muskegon	July	White...	* 3	.....	Holland...	Holland...	Laborer.
Newaygo	March.....	White...	1	2	Vermont..	Vermont..	Farmer.

* Still-born.

STILL-BIRTHS, 1876.

Six hundred and forty-six (646) still-born children were returned for 1876,—a larger number than has been returned since the registration and return of vital statistics in this State began. According to Exhibit 6, 1.89 per cent of all the children born in 1876 were still-born, and 1.83 per cent of all the mothers who bore children bore still-births. These proportions are smaller than those for 1875, but larger than those for any other previous year. In 1876 a larger proportion of the foreign-born than of the native-born mothers bore dead children, as shown by Exhibit 7; this is true for each year except 1873, in which year the per cent was the same for the native as for the foreign-born. In 1876, a very much larger proportion of the black mothers bore still-born children than of mothers of any other color.

EXHIBIT 6.—*The Relation of Still-births to all Children Returned as having been Born in Michigan during the several Years 1868 to 1876, inclusive, and of the Mothers of Still-born Children to all Mothers Returned as having Borne Children during each of the Years 1871, 1872, 1873, 1874, 1875 and 1876.*

CHILDREN AND MOTHERS.	TOTAL BIRTHS AND STILL BIRTHS.								
	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.
All Children born	19,171	27,093	26,603	25,902	27,993	34,608	31,151	31,958	34,235
Still-born Children.....	▲ 46	▲ 141	▲ 74	▲ 88	▲ 301	▲ 348	464	629	646
Per Cent of Still-born to Total.....	.23	.52	.28	.34	1.08	1.01	1.49	1.97	1.89
All Mothers.....				25,688	27,641	34,180	30,739	31,586	33,791
Mothers of Still-born Children.....				▲ 86	▲ 293	▲ 333	454	613	620
Per Cent of Mothers of Still-born to all Mothers				.33	1.06	.97	1.48	1.94	1.83

▲ As per returns of births.

EXHIBIT 7.—*By Nativity and Color, the Number and Proportion of Mothers having Still-births in Michigan during each of the Years 1874 to 1876, inclusive, according to the Returns.*

NATIVITY AND COLOR OF MOTHERS.	1874.			1875.			1876.		
	Moth-ers hav-ing Still-births.	Whole No. of Moth'rs, includ-ing those of Still-births.	Per Cent of Mothers of Still-births to all Moth'rs.	Moth-ers hav-ing Still-births.	Whole No. of Moth'rs, includ-ing those of Still-births.	Per Cent of Mothers of Still-births to all Moth'rs.	Moth-ers hav-ing Still-births.	Whole No. of Moth'rs, includ-ing those of Still-births.	Per Cent of Mothers of Still-births to all Moth'rs.
Mothers of all colors and all nativities.....	454	30,739	1.48	613	31,596	1.94	620	33,791	1.83
All native mothers.....	214	18,452	1.30	299	17,510	1.71	277	19,086	1.45
All foreign mothers.....	176	12,210	1.44	239	12,777	1.87	268	13,679	1.96
Mothers of unknown nativ-ities	64	2,077	3.08	75	1,229	5.77	75	1,026	7.81
White	438	30,238	1.45	593	31,147	1.90	595	33,273	1.79
Black	3	145	2.07	3	112	2.68	7	139	5.04
Mulatto	1	81	1.23	6	89	6.74	2	83	2.27
Indian	2	139	1.44	-----	136	-----	2	139	1.44
Unknown	10	136	7.35	11	102	10.78	14	152	9.21
Black and Mulatto.....	4	226	1.77	9	201	4.48	9	227	3.96

EXHIBIT 11.—*Occupations of Fathers of Still-born Children in Michigan in 1876, according to the Returns.*

FATHERS.				FATHERS.			
CHILDREN.				CHILDREN.			
OCCUPATIONS.	Male.	Fe- male.	Unk.	OCCUPATIONS.	Male.	Fe- male.	Unk.
Agents.....	.....	1	.....	Mechanics.....	4	2	.....
Agricultural Implement Dealers.....	.....	1	.....	Merchants.....	4	2	.....
Artists.....	1	1	.....	Messengers.....	.....	1	.....
Bakers.....	1	.....	.....	Miners.....	15	13	2
Bar-tenders.....	1	.....	.....	Ministers.....	1	1	.....
Blacksmiths.....	6	2	.....	Mill-hands.....	1	.....	.....
Boiler-makers.....	.....	1	.....	Moulders.....	1	1	.....
Brewers.....	1	.....	.....	Musicians.....	1	1	.....
Brick-makers.....	1	.....	.....	Painters.....	4	.....	.....
Brick-layers.....	1	.....	.....	Peddlers.....	1	.....	.....
Builders.....	.....	1	.....	Physicians.....	1	3	.....
Butchers.....	3	3	.....	Plumbers.....	1	.....	.....
Carpenters.....	10	4	.....	Pollicemon.....	.....	2	.....
Carriage-makers.....	1	.....	.....	Porters.....	1	.....	.....
Chimney Sweeps.....	1	.....	.....	Potters.....	1	1	.....
Clerks.....	2	2	.....	Poultry Dealers.....	.....	1	.....
Comedians.....	2	.....	.....	Produce Dealers.....	1	.....	1
Commissioners.....	1	.....	.....	Railroad Agents.....	1	.....	.....
Conductors.....	1	1	.....	Railroad Laborers.....	1	1	1
Constables.....	1	.....	.....	Sailors.....	.....	1	.....
Contractors.....	1	.....	.....	Saloon-keepers.....	1	2	.....
Cooks.....	.....	1	.....	Sawyers.....	1	.....	.....
Coopers.....	3	1	.....	Shingle-makers.....	.....	1	.....
Copper-smelters.....	1	.....	.....	Shoe-makers.....	6	1	.....
Draymen.....	3	.....	.....	Steamboat Men.....	1	.....	.....
Engineers.....	5	2	.....	Stone-cutters.....	.....	1	.....
Farmers.....	137	124	10	Stone-masons.....	1	.....	.....
Furniture-finishers.....	1	.....	.....	Tailors.....	1	1	.....
Gardeners.....	.....	1	.....	Tanners.....	1	.....	.....
Grocers.....	2	1	.....	Teamsters.....	2	3	.....
Harness-makers.....	1	.....	.....	Teachers.....	1	.....	.....
Hoop-makers.....	2	.....	.....	Telegraph-operators.....	1	.....	.....
Hotel-keepers.....	2	.....	.....	Tin-smiths.....	1	.....	.....
Hucksters.....	1	.....	.....	Unemployed.....	1	.....	.....
Laborers.....	63	39	13	Unknown.....	31	24	4
Landlords.....	.....	1	.....	Victualers.....	.....	1	.....
Lawyers.....	2	.....	.....	Wagon-makers.....	1	1	.....
Livery-keepers.....	1	.....	.....	Wheelwrights.....	.....	1	.....
Lumbermen.....	3	1	1	Wood-choppers.....	1	.....	.....
Machinists.....	2	1	.....	Wood-turners.....	1	.....	.....
Masons.....	1	2	.....			

Exhibit 11 is a new one, published in this Report for the first time, and shows the occupations of the fathers of still-born children born in Michigan in 1876, according to the returns. Of the 587 fathers whose occupations were stated, 430 were Carpenters, Farmers, Laborers, and Miners,—occupations which require hard manual labor. From this exhibit something may be inferred concerning the surroundings and treatment of the wives of these classes of people, their comforts, hygienic intelligence and care for themselves and their offspring.

The parent-nativity of still-born children in 1876 may be studied in Table XV., below, in which it may be seen that 52.17 per cent of the parents were natives of the same state or country; and 39.16 per cent were foreign-born, against 34.05 per cent who were native-born. Table XV. may be compared with Table XI., page 44.

TABLE XV.—*Parent-Nativity of Still-born Children,—Exhibiting, by Sex, the Number and Per Cent of Total Number Returned as having been Born in Michigan during the Year 1876, of Parents who were Natives of the Same and of Different States or Countries.*

NATIVITY OF PARENTS OF STILL-BIRTHS, 1876.	STILL-BORN CHILDREN, 1876.							
	NUMBER.				PER CENT OF EACH PARENT-NATIVITY TO TOTAL OF ALL NATIVITIES.			
	Total.	Males.	Fe- males.	Un- kno'n.	Total.	Males.	Fe- males.	Un- known.
All Nativities.....	646	356	258	32	100.00	100.00	100.00	100.00
Same American State or Foreign Coun- try.....	337	193	130	14	52.17	54.21	50.39	43.75
Different American States or Foreign Countries.....	136	* 78	52	6	21.05	21.91	20.16	18.75
Foreign Father and Native Mother.....	63	31	32	—	9.75	8.71	12.40	—
Foreign Mother and Native Father.....	27	10	14	3	4.18	2.81	5.43	9.38
Unknown Mother, Father Native.....	8	5	3	—	1.24	1.40	1.16	—
Unknown Mother, Father Foreign.....	4	3	1	—	.62	.84	.39	—
Unknown Father, Mother Native.....	5	2	3	—	.77	.56	1.16	—
Unknown Father, Mother Foreign.....	1	1	—	—	.15	.28	—	—
Both Unknown.....	65	33	23	9	10.06	9.27	8.91	28.12
Different States or Countries.....	226	119	98	9	34.98	33.43	37.98	28.12
Native.....	220	128	84	8	34.05	35.96	32.79	25.00
Foreign.....	253	143	98	12	39.16	40.17	37.98	37.50

* Includes one "Foreign."

TABLE XIV.—*Exhibiting, by Sex, the Parent-Nativity, and by Sex and Months, the Number of Still-births in Michigan during the Year 1876, according to the Returns.*

SEX.		YEAR, 1876.	MONTHS, 1876.												NATIVITY OF PARENTS OF STILL-BIRTHS, 1876.																	
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	PARENTS BORN IN MICHIGAN.		NATIVE.			FOREIGN.				Foreign Mother and Na- tive Father.		MOTHER UNK.		FATHER UNK.		Both Unknown.	
																Father.	Mother.	Total.	Same State.	Different States.	Total.	Same Country.	Different Coun- tries.	Unknown.	Native.	Foreign.	Native.	Foreign.	Mother.	Father.	Native.	Foreign.
Total.....	a 646	43	44	55	48	51	54	50	59	58	47	67	69	1	108	104	220	119	101	253	218	34	1	63	27	8	4	5	1	65		
Males.....	b 356	25	27	24	25	32	34	28	33	31	30	33	34	...	61	89	128	68	60	143	125	17	c 1	31	10	5	3	42	1	33		
Females...	c 288	17	14	28	21	19	16	21	22	25	16	29	29	1	40	71	84	49	35	98	81	17	....	32	14	3	1	3	...	923	
Unknown..	d 32	1	3	3	2	....	4	1	4	2	1	5	6	....	7	4	8	2	6	12	12	....	....	....	3	....	....	....	....	9

a 8 pairs and 6 half-pairs male twins, 6 pairs and 4 half-pairs female twins, 8 pairs one of each sex, and 2 pairs twins unknown sex.

b 2 twin children, 8 illegitimate, 1 set triplets, 3 Black, 1 "Colored," 2 Mulatto, 1 Indian, and 3 color unknown.

c "Europe." d 1 male, father "America." e 3 twin children, 2 Black, 1 Indian, and 2 color unknown.

f 1 Black, and 9 color unknown.

ILLEGITIMATE CHILDREN, 1876.

During the year 1876, according to the returns of births, 266 illegitimate children were born in this State,—a larger number than has been heretofore returned, except for the year 1873. The average annual number for the nine years 1868–1876, as obtained from Exhibit 8 (in this and in the preceding Report), is 199; and in only three of these years was there more than this average number of illegitimates, those three being 1873, 1874, and 1876. The number of illegitimate children in 1876 was .78 per cent of the total number of children born; this is the largest proportion shown for any year except 1873, when .91 per cent of all the children born were illegitimate. The per cent of mothers of illegitimate children to all mothers in 1876 is greatest among the Mulatto mothers, it being 7.95, as shown by Exhibit 9; but if we combine the Black and Mulatto mothers, as is done in this exhibit, it will appear that the largest proportion of mothers in 1876 who bore illegitimate children is shown for the Indians, it being 6.47 per cent of all the Indian mothers. The nativity of only 40 of the mothers was not given, whereas of 179 fathers the nativity was not stated, and in nearly all of these cases the names of the

fathers were omitted. A very large proportion of the mothers were foreign-born, as shown by Table XVIII., on a following page. In 1876 there were 133 males to 100 females, but as to the proportion of the sexes among illegitimate children, the tables for the preceding years show there is no uniform rule in this State. The proportion of each sex among those of each color is shown for 1876 in Table XVII.

EXHIBIT 8.—*The Relation of the Illegitimate Children to All Children Returned as having been Born during the several Years 1869 to 1876, inclusive, and of Mothers of Illegitimates to All Mothers Returned as having Borne Children in Michigan, during the years 1871 to 1876, inclusive.*

CHILDREN AND MOTHERS.	TOTAL BIRTHS AND ILLEGITIMATES.							
	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.
All Children born.....	27,093	26,663	25,992	27,993	34,608	31,151	31,958	34,235
Illegitimate Children.....	137	155	183	199	316	236	193	266
Per Cent of Illegitimate to Total..	.51	.58	.70	.71	.91	.76	.60	.78
All Mothers.....			25,688	27,641	34,180	30,739	31,586	33,791
Mothers of Illegitimate Children.....			181	195	314	236	192	262
Per Cent of Mothers of Illegitimates to All Mothers.....			.70	.71	.92	.77	.61	.78

EXHIBIT 9.—*By Nativity and Color, the Number and Proportion of Mothers of Illegitimate Children returned as having been Born in Michigan during the Years 1874 to 1876, inclusive.*

NATIVITY AND COLOR OF MOTHERS.	1874.			1875.			1876.		
	Mothers having Illegitimates.	Whole No. of Mothers including those of Illegitimates.	Per Ct. of Mothers of Illegitimates to all Mothers.	Mothers having Illegitimates.	Whole No. of Mothers including those of Illegitimates.	Per Ct. of Mothers of Illegitimates to all Mothers.	Mothers having Illegitimates.	Whole No. of Mothers including those of Illegitimates.	Per Ct. of Mothers of Illegitimates to all Mothers.
Mothers of all colors and all nativities.....	236	30,739	.77	192	31,586	.61	262	33,791	.78
All Native Mothers.....	110	16,432	.67	96	17,510	.55	170	19,086	.89
All Foreign Mothers.....	93	12,210	.76	31	12,777	.24	53	13,679	.39
Mothers of unknown nativities.....	33	2,077	1.59	65	1,299	5.00	39	1,026	3.80
White.....	217	30,238	.72	160	31,147	.53	243	33,273	.73
Black.....	7	145	4.83	8	112	7.14	3	139	2.16
Mulatto.....	3	81	3.70	3	89	3.37	7	88	7.95
Indian.....	* 9	139	6.47	15	136	11.03	9	139	6.47
Unknown.....		136			102			152	
Black and Mulatto.....	10	226	4.42	11	201	5.47	10	227	4.41

* 4 White and Indian.

TABLE XVI.—*Exhibiting, by Sex, the Total Number, Number by Months, and the Nativity of Parents of Illegitimate Children Born in Michigan, during the Year ending December 31, 1876, according to the Returns.*

SEX.	YEAR, 1876.	MONTHS, 1876.												NATIVITY OF MOTHERS OF ILLEGITIMATES, 1876.						NATIVITY OF FATHERS OF ILLEGITIMATES, 1876.								
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	NATIVE.			FOREIGN.			Unknown.	NATIVE.			FOREIGN.			
															Total.	Born in Mich- igan.	Born in Other States.	Total.	Born in Can- ada.	Born in Other Countries.		Total.	Born in Can- ada.	Born in Other Countries.	Total.			
Total.....	* 266	19	11	25	31	15	27	16	16	22	27	25	31	1	173	135	38	53	27	25	40	64	42	22	23	10	13	179
Males.....	† 152	11	5	15	19	8	16	10	8	14	18	14	13	1	92	68	24	35	21	14	25	42	24	18	15	8	7	95
Females...	* 114	8	6	10	12	7	11	6	8	8	9	11	18	....	81	67	14	18	6	12	15	22	18	4	8	2	6	84

* 6 males still-born, 2 pairs male twins, and 2 pairs twins one of each sex.

† 1 male and 1 female "United States."

* 1 male "America."

† 1 Black, 3 Mulatto, 2 Indian, and 2 White and Indian.

* 2 Black, 4 Mulatto, 3 Indian, and 1 White and Indian.

BIRTHS OF ILLEGITIMATE CHILDREN.

61

TABLE XVII.—*Exhibiting, by Color and by Sex, the Number of Illegitimate Children Returned as having been Born in Michigan during the Year 1876; also the Per Cent of each Sex to the Total of Both Sexes.*

COLOR OR RACE.	SEX.	Total Illegitimate Births 1876.	Per Cent of each Sex to Total of Both Sexes.
All Colors.....	Total.....	266	-----
	Males.....	132	57.14
	Females.....	114	42.86
White.....	Total.....	247	-----
	Males.....	143	57.89
	Females.....	104	42.11
Black.....	Total.....	3	-----
	Males.....	1	33.33
	Females.....	2	66.67
Mulatto.....	Total.....	7	-----
	Males.....	3	42.86
	Females.....	4	57.14
Indian.....	Total.....	9	-----
	Males.....	5	55.56
	Females.....	4	44.44
Black and Mulatto.....	Total.....	10	-----
	Males.....	4	40.00
	Females.....	6	60.00

TABLE XVIII.—*Exhibiting the Number of Males to 100 Females, and by Sex the Number and Per Cent of Total Number of Illegitimate Children Born of Native and of Foreign-born Parents, in Michigan, during the Year 1876, according to the Returns.*

NATIVITY OF PARENTS.		ILLEGITIMATE CHILDREN BORN IN 1876.						
		Males to 100 Fe- males.	NUMBER.			PER CENT OF TOTAL.		
			Total.	Males.	Fe- males.	Total.	Males.	Fe- males.
All Nativities.....		133	266	152	114	100.00	100.00	100.00
Mothers.....	Native.....	114	173	92	81	65.04	60.52	71.05
	Foreign.....	194	53	35	18	19.92	23.03	15.79
	Unknown.....	167	40	25	15	15.04	16.45	13.16
Fathers.....	Native.....	191	64	42	23	24.06	27.63	19.30
	Foreign.....	188	23	15	8	8.65	9.87	7.02
	Unknown.....	113	179	96	84	67.29	62.50	73.68

TABLE XX.—*Exhibiting the Number of Males to 100 Females among Twin Children, and the Number of Illegitimate and Still-born Children, Born during the Year 1876.*

STATE AND COUNTIES.	Twin Chil- dren,— Number of Males to 100 Females.	Number of Illegit- imate Children born in 1876.	Number of Still- births in 1876.	COUNTIES.	Twin Chil- dren,— Number of Males to 100 Females.	Number of Illegit- imate Children born in 1876.	Number of Still- births in 1876.
State.....	92	266	646	Keweenaw.....	140	3	10
Allegan.....	45	8	14	Lake.....	100	-----	3
Alpena.....	500	-----	7	Lapeer.....	67	5	8
Antrim.....	-----	-----	4	Leelanaw.....	33	1	1
Baraga.....	a	1	-----	Lenawee.....	100	4	13
Barry.....	60	3	12	Livingston.....	67	-----	5
Bay.....	87	6	20	Mackinac.....	-----	1	-----
Benzle.....	-----	-----	3	Macomb.....	150	3	12
Berrien.....	86	5	15	Manistee.....	167	5	6
Branch.....	118	1	10	Marquette.....	167	3	19
Calhoun.....	100	2	7	Mason.....	100	1	3
Cass.....	100	4	9	Mecosta.....	14	1	2
Cheboygan.....	-----	1	1	Menominee.....	500	-----	-----
Chippewa.....	33	2	1	Midland.....	a	1	2
Clare.....	-----	-----	3	Monroe.....	100	2	8
Clinton.....	33	3	6	Montcalm.....	45	8	6
Delta.....	100	1	-----	Muskegon.....	150	2	15
Eaton.....	83	6	5	Nawaygo.....	300	-----	4
Emmet.....	b	5	4	Oakland.....	100	5	8
Genesee.....	500	3	2	Oceana.....	100	1	5
Gladwin.....	b	-----	-----	Ontonagon.....	b	-----	2
Grand Traverse.....	50	1	3	Osceola.....	20	2	8
Gratiot.....	b	1	10	Otsego.....	a	-----	-----
Hillsdale.....	133	2	9	Ottawa.....	122	9	21
Houghton.....	133	8	21	Presque Isle.....	100	1	-----
Huron.....	16	2	11	Saginaw.....	114	6	31
Ingham.....	75	2	6	Sanilac.....	33	4	12
Ionia.....	157	4	10	Shiawassee.....	100	1	6
Iosco.....	b	-----	5	St. Clair.....	48	9	11
Isabella.....	300	2	2	St. Joseph.....	45	6	10
Jackson.....	144	1	20	Tuscola.....	300	5	9
Kalamazoo.....	200	3	10	Van Buren.....	20	8	11
Kalkaska.....	300	-----	2	Washtenaw.....	100	3	15
Kent.....	100	7	33	Wayne.....	124	82	110
				Wexford.....	100	-----	2

a No males.

b No females.

TOWNSHIPS IN WHICH THERE WERE NO BIRTHS.

63

TOWNSHIPS IN WHICH THERE WERE NO BIRTHS IN 1876.

Exhibit 10 contains the names of the townships in this State in which it is reported that no births occurred in 1876, and shows the population of each, so far as stated in the "Census of Michigan, 1874," and the counties in which they are located. It seems hardly credible, however, that in the township of Clay Banks, Oceana county, there should not occur any births, when the population is reported to be 562 in 1874.

EXHIBIT 10.—*Townships in which it is Reported that there were No Births in 1876.*

COUNTIES.	TOWNSHIPS REPORTED AS HAVING No BIRTHS IN 1876.	POPULATION, 1874.		
		Total.	Males.	Females.
Total.....	.....	728	405	323
Bay.....	{ Mason..... ^a Moffit..... ^a			
Benzie.....	Weldon.....	53	28	25
Lake.....	Dover..... ^a			
Manistee.....	Springdale.....	49	28	21
Missaukee.....	West Branch.....	64	52	12
Oceana.....	Clay Banks.....	562	297	265
Ogemaw.....	{ Churchill..... ^a Ogemaw..... ^a Rose..... ^a			
Roscommon.....	Denton..... ^a			
Wexford.....	Boon..... ^a			

^aOrganized since census was taken.

There were 27 townships in this State from which no returns of births were received at this Department for the year 1876. This is 27 more than there should be, as every supervisor should make proper returns to the county clerk, even if there were no births or deaths in his township, and every county clerk should make a proper return of the same to this Department. In Muskegon county alone there were eight delinquent townships in 1876,—one-half of all the townships in the county, and nearly one-third of all the delinquent townships in the State. Table XXI. shows the delinquent townships in 1876, the population of each in 1874, so far as stated in the Census, and the counties in which they are located.

TABLE XXI.—*Exhibiting the Counties and Townships from which no Returns of Births in 1876 were received, and the Number of Inhabitants, in 1874, in such Counties and Townships.*

COUNTIES.	TOWNSHIPS FROM WHICH NO RETURNS OF BIRTHS WERE RECEIVED FOR 1876.	POPULATION, 1874.		
		Total.	Males.	Females.
Total .....	.....	12,858	7,487	5,371
Cheboygan	Nunda..... ^a			
Chippewa	{ Detour.....	221	131	90
	{ Sugar Island.....	332	173	159
Ionia	North Plains.....	1,803	948	855
Kalkaska	{ South Branch..... ^a			
	{ Springfield.....	169	90	79
Manitou	South Manitou..... ^b			
Monroe	Berlin.....	2,023	1,044	979
Montcalm	Home.....	93	51	42
	Cedar Creek.....	291	165	126
	Dalton.....	425	239	186
	Eggleston.....	317	179	138
Muskegon	Fruitport.....	378	212	166
	Montague.....	1,360	746	614
	Moorland.....	213	116	97
	Norton.....	392	241	151
	Ravenna.....	934	509	425
Newaygo	{ Beaver.....	200	119	81
	{ Brooks.....	1,180	633	547
Oakland	Holly.....	2,507	1,248	1,259
Ogemaw	Edwards..... ^a			
Otsego	{ Charlton..... ^a			
	{ Hayes..... ^a			
Schoolcraft	{ Manistique.....	301	195	106
	{ Onota.....	517	309	208
Wexford	{ Cadillac, 1st Ward..... ^a			
	{ Haring.....	199	119	80

^a Organized since census was taken.

^b Census not returned.

SEX OF CHILDREN.

If there are general laws which control the sex of children, it would seem that statistics of the details concerning births, and studies of the varying conditions existing at time of conceptions, if comprehensive and continued sufficiently long, and studied with sufficient skill and care, should aid to a knowledge of such laws. For success in any such study, however, accurate statistics are needed, and accuracy in public statistics is exceedingly difficult of attainment; failing in accuracy, it is needful to have statistics concerning immense numbers of births, in order that accidental errors may tend to neutralize each other. Some of the errors in the statistics of births in Michigan are of a kind which it is believed will not spontaneously disappear in any study by months, even when exceedingly large numbers are used,—those referred to are caused by the delay in the enumeration of births, which results in omissions in all the months, but the omission of a greater proportion in some months than in others. This causes an error of a kind needing artificial correction, because it affects the statistics in every year, and the multiplication of statistics for series of years only adds the errors, if the study is still continued by months. It is possible that by studying the years as the months of a single year are usually studied, this error may disappear; but for this we must wait a long time; meantime an attempt is made to correct the statements in the returns so as to make them immediately available. Exhibit N, page 66, contains statements compiled directly from the returns. In Exhibit O, page 67, the births in unknown month, and of children the sex of whom is not returned, are omitted; the proportion of the sexes in each month is shown. In Exhibit P, page 68, the before-mentioned corrections are made, the months are made of uniform length, and the statistics made as near as is practicable of use for study in this connection.

Tables XXII., XXIII., XXIV., XXV., XXVI., XXVII., and XXVIII., on pages 66, 67, 68, 69, 70, 71, and 72, respectively, contain evidence bearing upon the subject of sex of children, and many items of interest relating to total births, twins, illegitimate children, and still-born children.

The subject of the conditions tending to influence the sex of offspring receives some evidence on preceding pages, under the head of "Twin Children," page 42, in comments on Table VI., pages 20-21, Table XVII., relative to illegitimate children, and comments on the same, pages 20-21, 42.

TABLE XXII.—*Exhibiting, by Months, the Relation between the Total Number of Conceptions during certain Months of the Years 1875-6, and the Proportion of each Sex Conceived during the same time and Born during the Year ending December 31, 1876, according to the Returns.*

CONCEPTIONS FOR BIRTHS IN 1876. ^a					
Months of 1875 and 1876 of Conceptions of Births in 1876, in order by number, the least first.		Total Number of Conceptions. ^b	Months of 1875 and 1876, in order by number of Males to 100 Females, the greatest first.		Number of Males to 100 Females.
Less than the Average Number of Conceptions.	{ April	2,240	More than the Average Proportion of Males.	{ December	119
	{ May	2,484		{ May	113
	{ June	2,688		{ June	113
	{ July	2,767		{ July	113
	{ September	2,774		{ January, 1876	111
	{ August	2,816		{ February, 1876	111
	{ March, 1876	109			
Average		2,833	Average		106
More than the Average Number of Conceptions.	{ October	2,959	Less than the Average Proportion of Males.	{ September	106
	{ February, 1876	2,959		{ August	105
	{ January, 1876	2,980		{ October	104
	{ November	3,061		{ November	104
	{ March, 1876	3,138		{ April	101
	{ December	3,153			

^a Equalized to months of 30.44 days each, and excluding unknown sex and unknown month.
^b For purposes of this study the time of conception is presumed to be nine calendar months previous to the month of birth.
^c Exceptions to the proposition that more than the average proportion of males were conceived in months in which less than the average total number of conceptions occurred, and vice versa.

EXHIBIT N.—*Births Returned as having occurred in Michigan during the Year 1876, by Sex, and by Months Equalized to 30.44 days each.*

SEX.	YEAR, 1876.	MONTHS OF BIRTHS, EQUALIZED, 1876.												
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Total.....	34,156	2,242	2,469	2,695	2,770	2,818	2,779	2,980	3,068	3,156	2,984	2,964	3,147	194
Males.....	17,713	1,128	1,305	1,422	1,462	1,444	1,430	1,505	1,563	1,643	1,586	1,555	1,637	83
Females...	16,387	1,112	1,159	1,266	1,305	1,372	1,344	1,454	1,498	1,509	1,414	1,404	1,501	69
Unknown.	56	2	5	7	3	2	5	1	7	4	4	5	9	1

^a The number of births of each sex, and the total number, as equalized, do not equal the number of births as returned, because of the loss of fractions, and the unequal numbers in the several months, modified by addition and subtraction. The total number as equalized is 79 less than the total number returned (34,235).

TABLE XXIII.—*Exhibiting, by Months, the Relation between the Number of Conceptions and the Number of Males to 100 Females. Conceptions estimated from Births Corrected as if Enumerated in Months of Occurrence, and Equalized to Months of uniform length.*

CONCEPTIONS FOR BIRTHS IN 1876. ^a					
Months of 1875 and 1876 of Conceptions of Births in 1876, estimated from Births Corrected as if enumerated in months of occurrence, and equalized to months of uniform length. Months arranged in order by number, the least first.		Number of Conceptions as Corrected and Equalized. ^b	Months of 1875 and 1876 of Conceptions of Births in 1876, estimated from Births Corrected as if enumerated in months of occurrence, and equalized to months of uniform length. Months arranged in order by number of Males to 100 Females, greatest first.		Number of Males to 100 Females. Births Corrected and Equalized.
Less than the Average Number of Conceptions.	April	3,362	More than the Average Proportion of Males.	May	134
	February, 1876	3,521		June	133
	March, 1876	3,633		July	132
	May	3,637		Average	124
	January, 1876	3,641			
	September	3,735			
Average		3,747	Less than the Average Proportion of Males.	September	123
More than the Average Number of Conceptions.	August	3,880		April	122
	June	3,882		August	122
	October	3,887		December	122
	July	3,908		January, 1876	122
	November	3,926		February, 1876	121
	December	3,943		October	118
				November	118
			March, 1876	117	

^a See note ^b to Table XXII, page 66.

^b Excluding unknown month and unknown sex.

^c Exceptions to the proposition that *more* than the average proportion of males were conceived in months in which *more* than the average number of conceptions occurred, and *less* than the average proportion of males in months in which *less* than the average number of conceptions occurred.

EXHIBIT O.—*Births Returned as having occurred in Michigan during the Year 1876, by Sex, and by Months Equalized to 30.44 days each, and by Months the Excess of Males over Females, and the Number of Males to 100 Females. Unknown Sex and unknown Month excluded.*

SEX.	YEAR, 1876.	MONTHS OF BIRTHS, EQUALIZED, 1876.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Both Sexes.....	*33,908	2,240	2,464	2,688	2,767	2,816	2,774	2,959	3,061	3,152	2,980	2,959	3,138
Males	17,660	1,128	1,305	1,422	1,462	1,444	1,430	1,505	1,563	1,643	1,566	1,555	1,637
Females	16,338	1,112	1,159	1,266	1,305	1,372	1,344	1,454	1,498	1,509	1,414	1,404	1,501
Excess of Males	1,322	16	146	156	157	72	86	51	65	134	152	151	136
Males to 100 Females	108	101	113	112	112	106	106	104	104	119	111	111	109

* The number of births of each sex, and the total number of both sexes, as equalized, do not equal the number of births as returned, because of the loss of fractions, and the unequal numbers in the several months, modified by addition and subtraction. This table excludes births in unknown month and of unknown sex,—153. These and the 79 lost in equalizing, added to the number shown in this table, make the number as returned by registration officers (34,235).

TABLE XXIV.—*Exhibiting by Months, according to the Returns, the Relation between the Total Number of Conceptions, and the Total Number of Deaths which occurred in the Months of the Years 1875 and 1876 in which were Conceived the Children Born during the Year ending December 31, 1876.*

DEATHS.			CONCEPTIONS. *		
Months of 1875 and 1876 of Conceptions of Births in 1876, arranged in order by total number of Deaths, the least first.		Number of Deaths as Equalized.	Months of 1875 and 1876 of Conceptions of Births in 1876, in order by number, the least first.		Number of Conceptions as Equalized. *
Less than the Average Number of Deaths.	January, 1876.....	673	Less than the Average No. of Conceptions.	April.....	2,242
	June.....	819		May.....	2,469
	February, 1876.....	840		June.....	2,695
	July.....	877		July.....	2,770
	November.....	942		September.....	2,779
	March, 1876.....	958		August.....	2,818
Average.....		978	Average.....		2,838
More than the Average Number of Deaths.	May.....	1,004	More than the Average No. of Conceptions.	October.....	2,960
	April.....	1,017		February, 1876.....	2,964
	December.....	1,046		January, 1876.....	2,964
	October.....	1,061		November.....	3,098
	August.....	1,200		March, 1876.....	3,147
	September.....	1,237		December.....	3,156

* See note b to Table XXII., page 66.
b Equalized to months of 30.44 days each, excluding unknown month.

EXHIBIT P.—*Births Returned as having occurred in Michigan during the Year 1876, by Sex and by Months, Corrected for Omissions in Enumerating, Equalized for Increase of Population during the Year covered by the Returns, and as thus corrected and Equalized for the several Months, Equalized for Months of 30.44 days each.*

SEX.	YEAR, 1876.	MONTHS OF BIRTHS, 1876.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Both Sexes ..	45,987	3,504	3,777	4,019	4,082	3,989	3,827	3,969	3,994	4,004	3,681	3,545	3,646
Males.....	25,419	1,927	2,166	2,294	2,290	2,196	2,107	2,149	2,161	2,197	2,025	1,939	1,969
Females.....	20,568	1,577	1,611	1,725	1,742	1,793	1,720	1,821	1,833	1,807	1,656	1,606	1,677

TABLE XXV.—*Exhibiting the Relation, by Months, between the Number of Conceptions and the Number of Deaths; the Number of Deaths and Births Returned from which Conceptions are estimated being Corrected as if Enumerated in Months of Occurrence, and Equalized to Months of uniform length.*

DEATHS.		CONCEPTIONS. ^a	
Months of 1875 and 1876 of Conceptions of Births in 1876, arranged in order by number of Deaths, the least first. Deaths Corrected as if enumerated in months of occurrence, and equalized to months of uniform length.		Months of 1875 and 1876 of Conceptions of Births in 1876, estimated from Births Corrected as if enumerated in months of occurrence, and equalized to months of uniform length. Months arranged in order by number, the least number first.	
	Number of Deaths as Corrected and Equalized.		Number of Conceptions as Corrected and Equalized. ^b
Less than the Average Number of Deaths.	January, 1876.....	April.....	3,368
	November.....	February, 1876.....	3,526
	June.....	March, 1876.....	3,641
	July.....	May.....	3,632
	December.....	January, 1876.....	3,640
	October.....	September.....	3,739
	Average.....	Average.....	3,748
More than the Average Number of Deaths.	February, 1876.....	August.....	3,830
	May.....	June.....	3,879
	March, 1876.....	October.....	3,888
	April.....	July.....	3,900
	September.....	November.....	3,935
	August.....	December.....	3,948

^a See note ^b to Table XXII, page 66.
^b Excluding unknown month.

TABLE XXVI.—*Exhibiting by Months, the Relation between the Number of Deaths and the Proportion of each Sex Conceived during the same Months of the Years 1875 and 1876; the Number of Deaths and the Number of Births Returned from which Conceptions are estimated being Corrected as if Enumerated in Months of Occurrence, and Equalized to Months of uniform length.*

DEATHS.		CONCEPTIONS. *	
Months of 1875 and 1876 of Conceptions of Births in 1876, arranged in order by number of Deaths, least first. Deaths Corrected as if enumerated in months of occurrence, and equalized to months of uniform length.		Months of 1875 and 1876 of Conceptions of Births in 1876, estimated from Births Corrected as if enumerated in months of occurrence, and equalized to months of uniform length. Months arranged in order by number of Males to 100 Females, greatest first.	
	Number of Deaths as Corrected and Equalized.		Number of Males to 100 Females. Births Corrected and Equalized. b
Less than the Average Number of Deaths.	January, 1876.....	1,170	More than the Av. Proportion of Males. { May..... 134
	November.....	1,186	{ June..... 133
	June.....	1,210	{ July..... 132
	July.....	1,257	Average..... 124
	December.....	1,273	
	October.....	1,383	
Average.....	1,411		
More than the Average No. of Deaths.	February, 1876.....	1,422	Less than the Average Proportion of Males. { September..... 123
	May.....	1,526	{ April..... 123
	March, 1876.....	1,577	{ August..... 123
	April.....	1,591	{ December..... 122
	September.....	1,666	{ January, 1876..... 122
	August.....	1,668	{ February, 1876..... 121
			{ October..... 118
			{ November..... 118
			{ March, 1876..... 117

* See note b to Table XXII., page 66.

b Excluding births in unknown month and of unknown sex.

TABLE XXVII.—*Exhibiting by Months, according to the Returns, the Relation between the Total Number of Deaths and the Proportion of each Sex Conceived during the same months of the years 1875 and 1876, and Born during the Year ending December 31, 1876.*

DEATHS.		CONCEPTIONS. ^a	
Months of 1875 and 1876 of Conceptions of Births in 1876, arranged in order by number of Deaths, the least first.		Months ^b of 1875 and 1876, in order by number of Males to 100 Females, greatest first.	Number of Males to 100 Females.
	Number of Deaths as Equalized.		
Less than the Average Number of Deaths.	January, 1876.....	December.....	119
	June.....	May.....	113
	February, 1876.....	June.....	112
	July.....	July.....	112
	November.....	January, 1876.....	111
	March, 1876.....	February, 1876.....	111
Average.....	973	March, 1876.....	109
More than the Average Number of Deaths.	May.....	Average.....	108
	April.....	September.....	106
	December.....	August.....	105
	October.....	October.....	104
	August.....	November.....	104
	September.....	April.....	101
	1,237		

^a See note ^b to Table XXII., page 66.

^b Equalized to months of 30.44 days each, excluding unknown month and unknown sex.

TABLE XXVIII.—*Exhibiting for the Total Births, for the Twins, Illegitimate, and Still-born Children Returned as having been Born in Michigan during the Year 1876 ; the Number of Boys to 100 Girls among such Children, distinguishing by Parent-Nativities; thus exhibiting the Influence of Parent-Nativity, and of other conditions, upon Sex of Children.*

NATIVITY OF PARENTS.	BIRTHS, 1876. ^a		BOYS TO 100 GIRLS, 1876.			
	Males.	Females.	Total Births.	Twin Children.	Illegitimate.	Still-born.
All Nativities.....	17,751	16,428	108.05	92.33	133.33	137.98
Both Parents Native.....	8,044	7,493	107.22	97.89	-----	152.38
Both Parents Foreign.....	6,178	5,704	108.31	86.90	-----	145.92
Foreign Father and Native Mother...	1,812	1,772	102.26	73.13	-----	96.88
Foreign Mother and Native Father...	1,036	829	124.97	242.86	-----	71.43
One or Both Unknown.....	681	630	108.10	100.00	-----	146.67
Mothers. { Native.....	9,958	9,371	106.26	91.54	113.58	135.29
Mothers. { Foreign.....	7,282	6,569	110.55	93.14	194.44	137.50
Mothers. { Unknown.....	631	488	108.81	100.00	166.67	151.85
Fathers. { Native.....	9,218	8,497	108.87	103.00	190.91	141.58
Fathers. { Foreign.....	8,106	7,593	106.76	82.28	187.50	135.11
Fathers. { Unknown.....	427	368	116.03	133.33	113.10	138.46
One or Both Native.....	11,132	10,345	107.61	95.56	-----	129.41
One or Both Foreign.....	9,190	8,458	108.65	86.89	-----	129.66
Both Unknown.....	277	226	122.57	166.67	-----	143.48
Same Country.....	b 14,222	b 13,197	107.77	98.14	-----	153.33
Different Country.....	c 2,848	c 2,601	109.50	74.31	-----	93.65
Same American State or Foreign Country.....	-----	-----	-----	91.49	-----	148.46
Different American States or Foreign Countries.....	-----	-----	-----	95.12	-----	150.00

^a Excluding unknown sex.

^b Includes "Native" and "Foreign."

^c Includes "Foreign Father and Native Mother," and "Foreign Mother and Native Father."

MARRIAGES, 1876.

The aggregate number of marriages returned to the State Department as having been solemnized in Michigan in 1876 was 10,858. This number includes only those marriages which have been returned at the time of making the general tabulation for 1876. The returns for subsequent years will doubtless increase this number solemnized in 1876 to a considerable extent, judging from the returns for preceding years. The number of marriages in 1874 as originally returned and compiled was 11,041, as shown in Exhibit A, following; the number subsequently returned for 1874 was 1,094, making the total number returned for that year 12,135, as shown in Table I., following; the number of marriages in 1875, as shown by the general compilation for that year was 11,055, and the number returned for 1875 in one year after the compilation for that year was made was 537; and taking the average of the years 1868-1875, the number of marriages returned for an average year subsequently to the first returns has been 1,084, so that, judging from our experience with the preceding years, it is reasonable to conclude that the number of marriages actually solemnized in this State in 1876 was nearly 12,000. It is greatly to be regretted that the marriages solemnized in any year are not all returned with the first returns for that year, because the number omitted is large enough to vitiate the teachings of some of the tables and exhibits, though it seems reasonable to suppose that, as regards nativity, color, age, manner of union by ages, etc., the marriages first returned are a fair sample of those which occur.

The average number of marriages for each of certain specified periods of time is as follows:

Average number per quarter.....	2,714.50
Average number per month.....	904.83
Average number per week.....	208.81
Average number per day.....	29.67

A larger proportion of marriages is shown for the last quarter of the year 1876 than for either of the other quarters, as may be seen by Table I., and a smaller proportion for the second quarter,—ending with June. The proportion in the last two quarters will probably be increased by the additional returns mentioned above. In Table I. the marriages are corrected for additional returns, and the table includes all the marriages for the respective years that were returned to this Department at the time of making the compilation for 1876.

TABLE I.—*Marriages by Quarters of the Year, showing Number and Per Cent in each Quarter of the Year, for each of the Years 1870-1876, Corrected, for Additional Returns, up to April 1, 1878.*

TOTALS, AND MONTHS WITH WHICH QUARTERS END.	1870.		1871.		1872.		1873.		1874.		1875.		1876.	
	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.
Totals.....	9,791	100.00	10,605	100.00	10,737	100.00	11,851	100.00	12,135	100.00	11,592	100.00	10,858	100.00
March.....	2,506	25.59	2,534	23.89	2,403	22.38	2,673	22.56	2,928	24.11	2,561	22.00	2,599	23.94
June.....	2,172	22.18	2,307	21.75	2,367	22.05	2,694	22.73	2,574	21.21	2,607	22.49	2,474	22.79
September..	2,188	22.35	2,521	23.77	2,627	24.47	3,018	25.47	2,904	23.93	2,715	23.42	2,677	24.65
December..	2,907	29.69	3,228	30.44	3,333	31.04	3,460	29.20	3,720	30.66	3,708	31.99	3,105	28.60
Unknown...	18	.18	15	.14	7	.07	6	.05	11	.09	1	.01	3	.03
Average a..	2,448	25.00	2,651	25.00	2,684	25.00	2,963	25.00	3,034	25.00	2,898	25.00	2,715	25.00

a Includes marriages in unknown quarter of the year.

Exhibit A shows the number of marriages as originally returned, compiled, and published for each of the years 1870-1876, and differs from Table I. by the number of marriages returned for each year subsequently to the first returns for that year. A comparison of the Exhibit with the Table will show, by the way, that the law is frequently violated, in that every marriage that is returned after the time for the return of marriages for any given year reveals a violation of the law for the return of marriages, published in the back part of this Report.

In dealing with the number of marriages in each quarter and in each month, it is proper to remember that a slightly greater proportion of those which occurred in the first part of the year are included in the first returns.

EXHIBIT A.—*Marriages by Quarters of the Year, showing Number and Per Cent in each Quarter of the Year for each of the Years 1870-1876, inclusive, as Originally Returned and published in Reports.*

TOTALS, AND MONTHS WITH WHICH QUARTERS END.	1870.		1871.		1872.		1873.		1874.		1875.		1876.	
	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.
Totals.....	9,160	100.00	10,181	100.00	9,882	100.00	10,574	100.00	11,041	100.00	11,055	100.00	10,858	100.00
March.....	2,429	26.51	2,475	24.30	2,326	23.54	2,580	24.39	2,832	25.65	2,519	22.79	2,599	23.94
June.....	2,081	22.71	2,250	22.09	2,281	23.08	2,578	24.38	2,483	22.49	2,557	23.16	2,474	22.79
September..	2,073	22.63	2,423	23.79	2,471	25.01	2,774	26.23	2,713	24.57	2,625	23.74	2,677	24.65
December..	2,560	27.94	3,018	29.64	2,797	28.30	2,637	24.94	3,003	27.20	3,353	30.33	3,105	28.60
Unknown...	17	.18	15	.14	7	.07	5	.05	10	.09	1	.01	3	.03
Average a..	2,290	25.00	2,545	25.00	2,471	25.00	2,644	25.00	2,760	25.00	2,764	25.00	2,715	25.00

a The number in unknown quarter of year included.

Table II. shows the number and per cent of marriages for each of the years 1873-1876, by months arranged in the order, those having the greatest number first. In 1873 and 1876, October heads the list, and in 1874 and 1875, December has a larger number than any other month. In each of the years 1868-1875, except 1873, the largest number of marriages were solemnized in December, and it is probable that the subsequent returns for 1876 will increase the number solemnized in December so as to make it the first in the list for 1876.

TABLE II.—*Marriages by Months Arranged in Order by Number, Months having the greatest number first, for the Years 1873, 1874, 1875, and 1876, Corrected, for additional returns, up to April 1, 1878.*

ORDER.	1873.			1874.			1875.			1876.		
	Months.	Num-ber.	Per Ct. of Total.	Months.	Num-ber.	Per Ct. of Total.	Months.	Num-ber.	Per Ct. of Total.	Months.	Num-ber.	Per Ct. of Total.
	Total.....	11,851	100.00	Total.....	12,135	100.00	Total.....	11,592	100.00	Total.....	10,558	100.00
1	October...	1,184	9.99	December.	1,344	11.08	December.	1,268	10.94	October...	1,103	10.16
2	November.	1,169	9.86	November.	1,227	10.11	October...	1,239	10.69	December.	1,007	9.27
3	July.....	1,123	9.48	October...	1,149	9.47	November.	1,201	10.36	July.....	995	9.16
4	December.	1,107	9.34	September	1,034	8.52	July.....	970	8.37	November.	905	8.16
5	September	1,049	8.85	July.....	1,005	8.28	September	970	8.37	September	929	8.56
6	January...	1,003	8.46	January...	987	8.13	April.....	923	7.96	January...	925	8.52
7	April.....	905	7.64	February..	975	8.03	March.....	907	7.82	April.....	916	8.44
8	May.....	903	7.62	March.....	964	7.94	May.....	887	7.65	February..	838	7.72
9	June.....	886	7.48	April.....	955	7.87	January...	857	7.39	March.....	836	7.70
10	March.....	867	7.32	August....	865	7.13	February..	797	6.87	May.....	811	7.47
11	August....	846	7.14	May.....	836	6.89	June.....	797	6.88	August....	753	6.93
12	February..	803	6.77	June.....	783	6.45	August...	775	6.69	June.....	747	6.88
	Unknown..	6	.05	Unknown..	11	.09	Unknown..	1	.01	Unknown..	3	.03
	Average. *	988	8.33	Average. *	1,011	8.33	Average. *	966	8.33	Average. *	905	8.33

* Includes those for unknown month.

Exhibit B shows, by months, for each of the years 1872-1876, the number of marriages as returned (corrected for additional returns, up to April, 1878) and as equalized to months of uniform length.

Diagram No. 2 graphically represents the number of marriages in each of the years 1871-1876, by months equalized to uniform length, as shown in Exhibit B.

The total numbers of marriages for the different years preceding the year 1876, differ from the numbers published in the report for 1875, and from those published in preceding Reports, because they include all marriages returned with those for 1876 that were solemnized during the preceding years and not before returned.

Previous to April 1, 1878, enough marriages were returned as being solemnized during the years stated below to make the number for 1868, 8,741; for 1869, 10,437, and for 1870, 9,791. The number of marriages solemnized during the year 1871, as corrected up to February 1, 1877, and published in Report for 1875, is 10,588, and this number plus 17 = 10,605, the number of marriages returned as having been solemnized during the year 1871, returned previous to April 1, 1878.

The foregoing is here stated because in Exhibit B statements of the final number of marriages returned up to April 1, 1878, are not given for any year preceding that of 1872.

VITAL STATISTICS OF MICHIGAN, 1876.

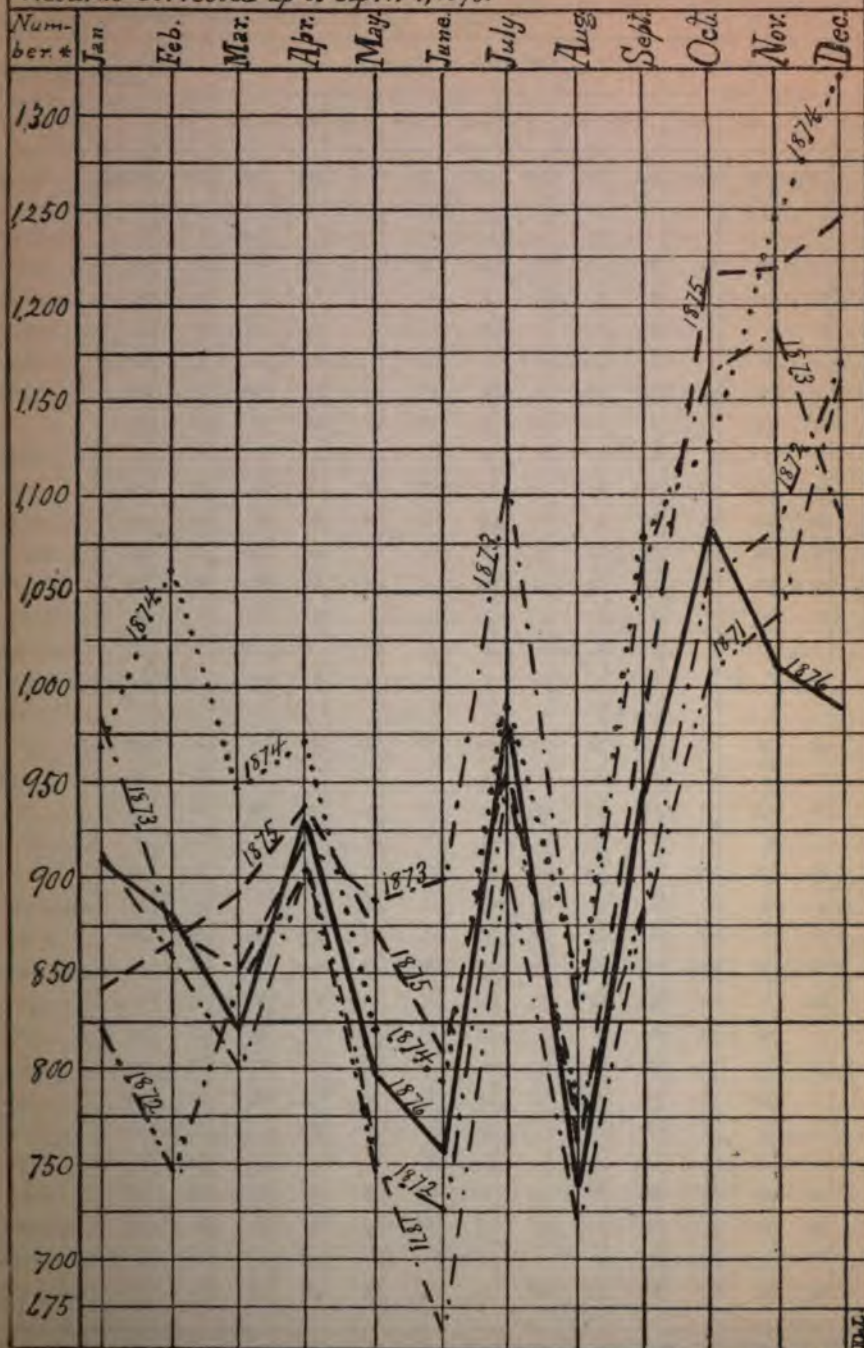
EXHIBIT B.—Marriages Returned as having been Solemnized in Michigan during the Years 1872 to 1876, inclusive, Corrected, for additional returns, up to April 1, 1878, and Equalized to Months of 30.44 days each.

Year.	Total.	MONTHS.												Unk.
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Marriages as returned.....	10,737	834	711	858	890	761	716	966	791	870	1,075	1,067	1,191	7
Days and hundredths by which the months should be increased or diminished to equalize them to uniform length.....	.....	-56	+1.44	-56	+44	-56	+44	-56	-56	+44	-56	+44	-56	.....
Number by which the marriages should be increased or diminished to equalize them to months of uniform length.....	-28	-15	+36	-15	+13	-14	+10	-17	-14	+13	-19	+16	-22	.....
Marriages, equalized to months of uniform length.....	10,769	819	747	843	903	747	736	949	777	883	1,056	1,083	1,169	7
Marriages as returned.....	11,851	1,003	863	987	905	903	886	1,123	846	1,049	1,184	1,169	1,107	6
Days and hundredths by which the months should be increased or diminished to equalize them to uniform length.....	.....	-56	+2.44	-56	+44	-56	+44	-56	-56	+44	-56	+44	-56	.....
Number by which the marriages should be increased or diminished to equalize them to months of uniform length.....	+2	-18	+70	-12	+13	-16	+13	-20	-15	+15	-21	+17	-20	.....
Marriages, equalized to months of uniform length.....	11,833	985	873	851	918	887	889	1,103	831	1,064	1,163	1,186	1,087	6
Marriages as returned.....	12,135	987	975	964	955	836	783	1,005	865	1,034	1,146	1,227	1,344	11
Days and hundredths by which the months should be increased or diminished to equalize them to uniform length.....	.....	-56	+2.44	-56	+44	-56	+44	-56	-56	+44	-56	+44	-56	.....
Number by which the marriages should be increased or diminished to equalize them to months of uniform length.....	+43	-18	+85	-17	+14	-15	+11	-18	-16	+44	-21	+18	-24	.....
Marriages, equalized to months of uniform length.....	12,178	969	1,060	947	969	821	794	987	849	1,078	1,128	1,245	1,329	11
Marriages as returned.....	11,592	857	797	907	923	887	797	970	775	970	1,239	1,201	1,268	1
Days and hundredths by which the months should be increased or diminished to equalize them to uniform length.....	.....	-56	+2.44	-56	+44	-56	+44	-56	-56	+44	-56	+44	-56	.....
Number by which the marriages should be increased or diminished to equalize them to months of uniform length.....	+3	-15	+69	-16	+14	-16	+12	-18	-14	+14	-22	+18	-23	.....
Marriages, equalized to months of uniform length.....	11,595	842	866	891	937	871	869	952	761	984	1,217	1,219	1,245	1
Marriages as returned.....	10,838	925	838	836	916	811	747	995	733	929	1,103	995	1,007	3
Days and hundredths by which the months should be increased or diminished to equalize them to uniform length.....	.....	-56	+1.44	-56	+44	-56	+44	-56	-56	+44	-56	+44	-56	.....
Number by which the marriages should be increased or diminished to equalize them to months of uniform length.....	-22	-17	+42	-15	+13	-15	+11	-18	-14	+14	-20	+15	-18	.....
Marriages, equalized to months of uniform length.....	10,856	908	880	821	929	796	768	977	739	943	1,083	1,040	989	3

Diagram No. 2, on the page opposite this, graphically represents the last line for each year in Exhibit B.

DIAGRAM No. 2.

Marriages in Michigan during the Years 1871, 1872, 1873, 1874, 1875, and 1876, by Months Equalized to Uniform length of 30.44 days each. From Returns corrected up to April 1, 1878.



*Scale = 100 to the inch.

Designed by Henry B. Baker.

MARRIAGES BY COUNTIES, BY MONTHS.

79

TABLE III.—*Distinguishing, by Counties and by Months, the Number of Marriages Returned as having been Solemnized in Michigan during the Year ending December 31, 1876.*

STATE AND COUNTIES.	Year, 1876.	Months, 1876.												Unk.
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
STATE.....	10,858	925	838	836	916	811	747	998	753	929	1,103	995	1,007	3
Alcona.....	5	1	-----	1	-----	2	-----	-----	1	-----	-----	-----	-----	-----
Allegan.....	306	24	20	24	40	22	24	26	31	26	25	16	26	-----
Alpena.....	41	4	1	4	3	7	1	3	3	3	8	2	2	-----
Antrim.....	24	3	-----	-----	2	-----	4	2	1	5	1	4	2	-----
Baraga.....	11	-----	-----	2	-----	1	1	2	-----	1	2	2	-----	-----
Barry.....	193	17	20	11	14	8	11	16	14	15	16	29	22	-----
Bay.....	174	16	14	12	14	15	18	23	13	7	15	12	15	-----
Benzie.....	32	2	1	3	1	2	2	3	1	3	3	6	5	-----
Berrien.....	471	23	35	47	38	25	41	34	28	39	52	54	56	-----
Branch.....	281	23	24	29	16	27	22	18	8	20	29	29	37	-----
Calhoun.....	264	25	21	20	19	11	18	24	13	10	32	39	32	-----
Cass.....	202	15	16	20	24	12	10	21	17	10	17	22	18	-----
Charlevoix..	26	2	-----	2	1	-----	3	1	1	3	3	4	5	-----
Cheboygan...	23	1	-----	-----	4	6	3	4	-----	2	-----	3	-----	-----
Chippewa....	10	-----	-----	1	1	2	1	1	1	1	1	-----	1	-----
Clare.....	7	-----	1	-----	1	-----	2	2	1	-----	-----	-----	-----	-----
Clinton.....	199	6	14	18	17	17	16	18	13	13	22	14	31	-----
Delta.....	27	2	-----	-----	2	2	3	-----	3	3	6	4	2	-----
Eaton.....	259	27	21	12	16	14	15	29	11	24	29	32	29	-----
Emmet.....	21	1	4	-----	-----	2	3	1	1	2	2	5	-----	-----
Genesee.....	330	26	37	25	26	17	19	24	23	34	37	33	29	-----
Gr. Traverse	61	4	2	5	8	6	2	5	3	7	8	7	4	-----
Gratiot.....	93	10	5	4	14	9	9	10	9	9	10	1	3	-----
Hillsdale...	358	40	30	29	32	23	24	33	18	26	33	36	34	-----
Houghton...	136	19	5	7	7	8	11	17	16	15	12	7	12	-----
Huron.....	129	11	16	13	7	14	12	7	5	8	17	13	6	-----
Ingham.....	269	27	28	20	13	19	14	25	12	33	26	25	28	-----
Ionia.....	298	19	20	19	26	18	11	25	21	11	37	30	31	-----
Iosco.....	17	-----	-----	2	1	1	2	-----	2	2	2	5	-----	-----
Isabella.....	53	5	4	3	2	9	6	5	5	2	9	-----	2	1
Jackson.....	330	31	29	33	31	17	19	24	17	31	29	33	36	-----
Kalamazoo...	260	15	13	17	14	27	20	18	23	23	26	25	31	-----
Kalkaska....	11	1	1	-----	1	-----	-----	2	2	2	-----	-----	2	-----
Kent.....	457	47	35	42	43	42	44	62	46	43	38	33	12	-----

* Except counties from which no returns were received. No returns of marriages for 1876 from county clerk to this Department, from the county of Manitou. No returns of marriages for 1876 to the clerks of counties of Gladwin, Isle Royal, and Roscommon.

TABLE III.—CONTINUED.—*Marriages by Counties, by Months.*

COUNTIES.	YEAR, 1876.	MONTHS, 1876.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Keweenaw ..	40	3	3	---	2	2	3	6	6	5	2	2	6	---
Lake	10	1	1	---	---	1	1	---	2	2	1	---	1	---
Lapeer	196	7	17	16	16	14	19	7	14	21	21	12	31	---
Leelanaw...	35	3	---	3	2	2	5	4	3	2	3	5	3	---
Lenawee....	389	29	37	29	40	23	22	34	27	38	33	36	41	---
Livingston..	140	10	15	10	14	12	5	14	7	12	13	14	14	---
Mackinac ...	11	3	---	---	---	3	---	1	1	1	2	---	---	---
Macomb	232	19	19	7	23	20	17	14	12	19	34	26	22	---
Manistee	76	6	5	5	9	3	5	7	9	3	7	11	6	---
Marquette ..	99	10	8	5	4	10	3	10	7	11	14	6	11	---
Mason	51	3	5	6	7	1	2	4	4	7	2	3	7	---
Mecosta	88	5	3	6	9	7	7	10	8	10	4	9	10	---
Menominee ..	29	2	---	2	2	6	4	4	2	1	---	4	2	---
Midland	23	5	1	---	2	1	2	3	3	1	3	1	1	---
Missaukee ..	3	---	---	---	---	---	---	---	---	---	2	---	1	---
Monroe	285	31	37	26	20	17	14	21	14	20	23	26	27	---
Montcalm ..	156	18	16	14	15	14	10	23	11	15	10	4	6	---
Muskegon ..	162	12	4	11	14	8	9	24	16	13	20	17	14	---
Newaygo	78	6	5	11	7	6	3	7	10	7	4	1	11	---
Oakland	325	34	18	23	23	18	23	31	10	19	26	20	59	1
Oceana	68	1	7	5	4	5	5	10	4	6	7	6	8	---
Ogemaw	6	1	---	---	1	---	1	---	1	---	1	1	---	---
Ontonagon ..	13	2	---	---	---	3	3	1	1	2	---	1	---	---
Osceola	41	5	---	5	3	2	4	4	1	10	4	3	---	---
Otsego	13	4	1	1	---	---	1	---	1	1	1	2	1	---
Ottawa	232	15	18	21	24	30	12	20	14	21	24	18	15	---
Presque Isle	5	---	---	1	---	---	---	---	2	---	---	2	---	---
Saginaw	384	28	21	23	35	32	29	36	27	43	41	39	30	---
Sanilac	117	13	10	6	8	16	8	6	5	9	10	8	18	---
Schoolcraft ..	5	1	1	1	---	---	1	---	---	---	---	1	---	---
Shiawassee ..	180	16	9	15	16	13	11	15	8	26	13	21	17	---
St. Clair	331	26	25	20	26	21	19	45	24	25	43	20	37	---
St. Joseph ..	273	28	21	23	19	16	11	25	26	31	21	24	28	---
Tuscola	147	16	17	8	11	7	6	13	16	12	19	14	8	---
Van Buren ..	233	15	13	21	15	11	16	25	11	22	20	22	22	---
Washtenaw ..	214	20	25	28	16	22	12	9	16	15	28	20	2	---
Wayne	751	77	57	58	68	79	58	77	65	62	74	40	15	1
Wexford	51	5	3	1	3	1	4	---	3	5	6	12	8	---

COLOR OF PERSONS MARRIED.

By Table IV. it may be seen that nearly 97 per cent of all persons returned as having been married in Michigan in 1876 were white persons.

The counties in which persons of color were married, and other details respecting manner of union by color of persons married, may be examined in Table V., pages 82-84.

TABLE IV.—*Exhibiting, by Color and by Sex, the Number of Marriages, and the Number and Per Cent of Total Number of Persons Married in Michigan during the Year 1876, according to the Returns.*

COLOR OF PERSONS MARRIED, 1876.	SEX.	Number of Marriages, 1876.	PERSONS MARRIED, 1876.		Number of Persons who Married those of another Color.
			Number.	Per Cent of Total Number.	
All Colors.....	Total.....	10,858	21,716	100.00	33
	Males.....	-----	10,858	50.00	17
	Females.....	-----	10,858	50.00	16
White.....	Total.....	10,518	21,049	96.93	14
	Males.....	-----	10,535	48.51	10
	Females.....	-----	10,514	48.42	4
Black.....	Total.....	70	139	.64	4
	Males.....	-----	70	.32	3
	Females.....	-----	69	.32	1
Mulatto.....	Total.....	13	26	.12	4
	Males.....	-----	13	.06	2
	Females.....	-----	13	.06	2
Indian.....	Total.....	33	73	.34	11
	Males.....	-----	33	.15	2
	Females.....	-----	40	.18	9
One or Both Unknown.....	Total.....	224	429	1.98	-----
	Males.....	-----	207	.95	-----
	Females.....	-----	222	1.02	-----
Black and Mulatto.....	Total.....	83	165	.76	8
	Males.....	-----	83	.38	5
	Females.....	-----	82	.38	3

TABLE V.—*Exhibiting for the State and Counties, the Number of Marriages Returned as having been Solemnized in Michigan during the Year 1876, the Number of Couples of White Persons, and by Color the Number of Marriages where one or both Parties were other than White.*

STATE AND COUNTIES.	MARRIAGES IN 1876—NUMBER BY COLOR.							
	All Colors.	White.	Black.	Mulatto.	Indian.	FEMALE UNK. Male White.	MALE UNK. Female White.	Both Un- known.
State.....	10,858	a 10,518	b 70	c 13	d 33	17	2	205
Alcona.....	5	5						
Allegan.....	306	293	3			9	1	
Alpena.....	41	41						
Antrim.....	24	23			1			
Baraga.....	11	e 10			f 1			
Barry.....	193	192			g 1			
Bay.....	174	h 172			2			
Benzle.....	32	32						
Berrien.....	471	469	1			1		
Branch.....	281	281						
Calhoun.....	264	263		1				
Cass.....	202	183	i 16	j 1		1		1
Charlevoix.....	25	23			2			
Cheboygan.....	23	21			k 2			
Chippewa.....	10	l 9			m 1			
Clare.....	7	7						
Clinton.....	199	193						6
Delta.....	27	27						
Eaton.....	259	257		2				
Emmet.....	21	n 18			m 8			
Genesee.....	330	329	1					
Gladwin..... ⁿ								

a 7 couples, male White, female White and Indian; 1 couple, male White, female Indian; 1 couple, male "Light," female "Dark;" 1 couple, male White, female "Half-breed."

b 2 couples, male "African and Indian," female "African;" 8 couples "African and Indian;" 2 couples, male "African," female "African and Indian;" 10 couples "Colored;" 2 couples, male Black, female Mulatto; 1 couple, male Black, female White; 1 couple "Rather dark," and 1 couple "Dark."

c 1 couple, male "African and White," female "African and Indian;" and 1 couple, male Mulatto, female White.

d 1 couple, male White and Indian, female Indian; 5 couples White and Indian; 2 couples, male White and Indian, female White; and 1 couple "Quarter-breed."

e 2 couples, male White, female White and Indian.

f 1 couple, male White and Indian, female Indian.

g 1 couple White and Indian.

h 1 couple, male White, female Indian.

i 2 couples, male "African and Indian," female "African;" 8 couples "African and Indian;" 2 couples, male "African," female "African and Indian."

j 1 couple, male "African and White," female "African and Indian."

k 2 couples White and Indian.

l 1 couple, male White, female White and Indian.

m 1 couple White and Indian.

n No returns of marriages for 1876 to county clerk.

MARRIAGES—COLOR OF PERSONS MARRIED.

83

TABLE V.—CONTINUED.—*Marriages in 1876, by Counties, by Color.*

COUNTIES.	MARRIAGES IN 1876—NUMBER BY COLOR.							
	All Colors.	White.	Black.	Mulatto.	Indian.	FEMALE UNK.	MALE UNK.	Both Un- known.
						Male White.	Female White.	
Grand Traverse.....	61	61						
Gratiot.....	93	93						
Hilledale.....	358	355	a 1					2
Houghton.....	136	136						
Huron.....	129	129						
Ingham.....	269	268	a 1					
Ionia.....	268	265	1			1		1
Iosco.....	17	17						
Isabella.....	53	48			4			1
Iale Royal..... ^b								
Jackson.....	330	319	4					7
Kalamazoo.....	250	244	5			1		
Kalkaska.....	11	11						
Kent.....	487	483	c 4					
Keweenaw.....	40	35						5
Lake.....	10	10						
Lapeer.....	195	194	1					
Leelanaw.....	35	34			1			
Lenawee.....	389	387	2					
Livingston.....	140	140						
Mackinac.....	11	d 5			e 6			
Macomb.....	232	233						
Manistee.....	76	76						
Manitou..... ^f								
Marquette.....	99	97		g 2				
Mason.....	51	51						
Mecosta.....	88	87	1					
Menominee.....	29	29						
Midland.....	23	23						
Missaukee.....	3	3						
Monroe.....	285	285						
Montcalm.....	156	7						149

a 1 couple "Colored."

b No returns of marriages for 1876 to county clerk.

c 1 couple, male Black, female Mulatto; and 1 couple "Colored."

d 2 couples, male White, female White and Indian.

e 1 couple, male White and Indian, female White; and two couples, male White and Indian, female unknown.

f No returns of marriages for 1876 from county clerk to this Department.

g 1 couple, male Mulatto, female White.

TABLE V.—CONTINUED.—*Marriages in 1876, by Counties, by Color.*

COUNTIES.	MARRIAGES IN 1876—NUMBER BY COLOR.							
	All Colors.	White.	Black.	Mulatto.	Indian.	FEMALE UNK.	MALE UNK.	Both Un- known.
						Male White.	Female White.	
Muskegon	162	^a 155	-----	1	-----	4	-----	2
Newaygo	78	78	-----	-----	-----	-----	-----	-----
Oakland	325	322	1	-----	-----	-----	1	1
Oceana	68	^b 66	^c -----	-----	^e 2	-----	-----	-----
Ogemaw	6	6	-----	-----	-----	-----	-----	-----
Ontonagon	13	12	-----	-----	^d 1	-----	-----	-----
Osceola	41	41	-----	-----	-----	-----	-----	-----
Otsego	13	13	-----	-----	-----	-----	-----	-----
Ottawa	232	231	-----	-----	1	-----	-----	-----
Presque Isle	5	5	-----	-----	-----	-----	-----	-----
Roscommon	*	-----	-----	-----	-----	-----	-----	-----
Saginaw	394	392	^f 1	-----	-----	1	-----	-----
Sanilac	117	117	-----	-----	-----	-----	-----	-----
Schoolcraft	5	^g 5	-----	-----	-----	-----	-----	-----
Shiawassee	180	180	-----	-----	-----	-----	-----	-----
St. Clair	331	329	-----	1	-----	-----	-----	1
St. Joseph	273	273	-----	-----	-----	-----	-----	-----
Tuscola	147	147	-----	-----	-----	-----	-----	-----
Van Buren	233	231	-----	2	-----	-----	-----	-----
Washtenaw	214	208	^h 2	3	-----	-----	-----	1
Wayne	751	698	ⁱ 25	-----	-----	-----	-----	28
Wexford	51	51	-----	-----	-----	-----	-----	-----

^a 1 couple, male "Light," female "Dark."
^b 1 couple, male White, female White and Indian.
^c 1 couple, male White and Indian, female White.
^d 1 couple "Quarter-breed."
^e No returns of marriages for 1876 to county clerk.

^f 1 couple, male Black, female Mulatto.
^g 1 couple, male White, female "Half-breed."
^h 1 couple "Rather dark," and 1 couple "Colored."
ⁱ 1 couple, male Black, female White; 6 couples "Colored;" and 1 couple "Dark."

EXHIBIT 1.—*By Nativity, the Number and Per Cent of Brides and of Bridegrooms Returned as having been married in Michigan during the Year ending December 31, 1876, and by number, the manner of their Union by Nativity.*

BRIDEGROOMS AND BRIDES. NATIVITY SPECIFIED.		BRIDES, 1876.			BRIDEGROOMS, 1876.	
		Native-born.	Foreign-born.	Un-known.	Totals of each Nativity, and of All Nativities.	Per Cent of each Nativity.
Bridegrooms..	{ Native-born.....	6,779	761	77	7,617	70.15
	{ Foreign-born.....	1,440	1,631	29	3,100	28.55
	{ Unknown.....	30	9	102	141	1.30
Brides.....	{ Whole No. of Each Nativity and Total...	8,249	2,401	208	10,858	-----
	{ Per Cent of Each Nativity and Total.....	75.97	22.11	1.92	-----	100.00

Exhibit 1 is designed to show the manner of union by nativities of persons returned as having been married in Michigan in 1876.

Exhibit 1 also contains data concerning the number and relative proportion of males and of females married in this State in 1876, by nativity, and shows that 70.15 per cent of the males, and 75.97 per cent of the females married in 1876 were native-born; and 28.55 per cent of the males and 22.11 per cent of the females were foreign-born. This is a larger proportion of the native-born, and a smaller proportion of the foreign-born of each sex than is shown for 1873, 1874, or 1875; and beginning with 1873, there has been a constant and steady increase of the proportion of the native-born persons married, and a like decrease of the proportion of the foreign-born persons married in this State.

Table VI. was first planned to show the marriage-rate in this State by nativity of persons married. Inasmuch as the State Census law does not provide for ascertaining the nativities of inhabitants, the table for 1876 cannot show such a marriage-rate, except by using the statements of inhabitants in 1870, which are considered to be too remote from the year 1876 to supply a useful comparison. The table is still useful in showing the proportions of native and foreign-born persons married.

TABLE VI.—*Exhibiting, by Sex, the Nativity of Persons Returned as having been Married in Michigan during the Year 1876.*

NATIVITY OF PERSONS MARRIED IN 1876.	MARRIAGES, 1876.		PERSONS MARRIED IN 1876.		
	Num-ber.	Per Cent of Total.	Number.		
			Total.	Males.	Females.
Total	10,858	100.00	21,716	10,858	10,858
Native-born	6,779	62.43	15,866	7,617	8,349
Foreign-born	1,631	15.02	5,501	3,100	2,401
Foreign Male and Native Female	1,440	13.26	-----	-----	-----
Foreign Female and Native Male	761	7.01	-----	-----	-----
Nativity Unknown	* 247	2.27	349	141	208
One or Both Native	8,980	82.70	-----	-----	-----
One or Both Foreign	3,832	35.29	-----	-----	-----

* Includes cases where one or both are unknown.

AGES OF PERSONS MARRIED.

The following tabular exhibit shows, by nativity, the average age of persons married in Michigan in each of the years 1874, 1875, and 1876. It may be seen that the average age of persons of each sex was greater in 1876 than in either of the other years, and the average of the three years shows the average age of the males to be 28.06 years, and of the females 22.38 years. The average difference between the average ages of the males and females is 5.68 years.

EXHIBIT C.—*By Nativity the Average Age of Persons married in Michigan in 1874, 1875, and 1876, according to the Returns.*

NATIVITY OF PERSONS MARRIED.	1874.		1875.		1876.	
	Males.	Females.	Males.	Females.	Males.	Females.
All Nativities	28.07	21.19	27.91	22.90	28.19	22.05
Native	*	*	27.69	22.54	27.64	22.53
Foreign	*	*	28.45	24.21	29.54	24.92
Unknown	*	*	27.28	20.91	27.94	22.32

* Not compiled.

Table VII. shows the number of persons of each sex and of both sexes married in Michigan in 1876 at each age and period of age; also, by sex, the per cent of total at each age, and the proportion of the sexes at each age. More than one-third of all the males, and more than one-quarter of all the females married in 1876 were between the ages of 21 and 25 years; and at this period of life the proportion of the sexes was nearer equal than at any other period.

TABLE VII.—*By Sex and Periods of Age, the Number and Per Cent of Total Number of Persons Married at each Age and Period of Age during the Year 1876; and the Per Cent of each Sex at each Age and Period of Age to the Total Number of Both Sexes.*

AGES IN YEARS AND PERIODS OF YEARS.	MARRIAGES, 1876.					
	Total Number of Persons Married.	MALES.			FEMALES.	
		Number Married.	Per Cent of Total Marriages.	Per Cent of Persons Married at Corre- sponding Ages.	Number Married.	Per Cent of Total Marriages.
All Ages.....*	21,716	10,858	100.00	50.00	10,858	100.00
13.....	3				3	.03
14.....	29				29	.27
15.....	125				125	1.15
16.....	668	1	.01	.15	667	6.14
17.....	887	6	.06	.68	881	8.11
18.....	1,409	79	.73	5.61	1,330	12.25
19.....	1,411	223	2.05	15.80	1,188	10.94
20.....	1,589	504	4.64	31.72	1,085	9.99
21 to 25.....	6,694	3,905	35.96	58.34	2,789	25.69
25 to 30.....	4,446	3,217	29.62	72.36	1,229	11.32
30 to 35.....	1,655	1,121	10.32	67.73	534	4.92
35 to 40.....	977	638	5.88	65.30	339	3.12
40 to 45.....	547	335	3.09	61.24	212	1.95
45 to 50.....	417	263	2.42	63.07	154	1.42
50 to 55.....	272	191	1.76	70.22	81	.75
55 to 60.....	200	134	1.23	67.00	66	.61
60 to 65.....	137	91	.84	66.42	46	.42
65 to 70.....	74	64	.59	66.49	10	.09
70 to 75.....	36	29	.27	80.56	7	.06
75 to 80.....	14	12	.11	85.71	2	.02
80 and over.....	4	2	.02	50.00	2	.02
Unknown Ages.....	122	43	.40	33.25	79	.73
Under 15.....	32				32	.29
15 to 20.....	4,500	309	2.85	6.87	4,191	38.60
20 to 25.....	8,233	4,409	40.61	53.23	3,824	35.68

*At which marriages occurred.

MARRIAGES—BY COUNTIES, NATIVITY, SEX, AND AGE.

89

County	1866	1867	1868	1869	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900
Oas...	202	166	1	11	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Charlevoix...	25	11	7	5	1	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oheboygan...	23	12	4	5	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ohippewa...	10	3	3	2	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Olare...	7	3	---	---	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Clinton...	199	169	6	16	6	8	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Delta...	27	7	9	9	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Eaton...	259	227	1	15	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Emmet...	21	12	2	2	3	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Genesee...	330	230	20	42	32	2	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gladwin...	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gr. Traverse	61	28	7	12	9	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gratiot...	93	73	1	10	6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hilledale...	358	315	2	25	12	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Houghton...	136	12	97	23	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Huron...	129	15	71	25	17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ingham...	269	209	8	31	16	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ionia...	263	207	8	26	23	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

* Except counties of Gladwin, Iale Roy, Manitou, and Roscommon, from which no returns were received. * No returns of marriages for 1876 to county clerk.

MARRIAGES—BY COUNTIES, NATIVITY, SEX, AND AGE

91

Macomb.....	233	123	39	50	14	1	4	-----	1	Males..... Females.....	5 85	28 84	73 31	24 8	5 10	7 4	8 3	8 2	8 1	2 1	-----	1 2
Manistee....	76	24	23	14	4	1	1	-----	-----	Males..... Females.....	----- 28	23 24	31 16	12 7	6 1	3 -----	-----	1 -----	-----	-----	-----	
Manitou.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Marquette...	99	12	71	10	5	-----	-----	-----	1	Males..... Females.....	4 37	20 23	26 8	12 4	9 1	2 1	3 1	1 1	-----	-----	-----	
Mason.....	51	26	12	10	2	1	-----	-----	-----	Males..... Females.....	16 -----	14 15	17 7	8 2	3 3	2 1	2 1	-----	1 -----	-----	1	
Mecosta.....	38	46	19	14	8	-----	-----	-----	1	Males..... Females.....	1 40	33 29	37 11	10 4	4 2	1 -----	-----	-----	2 2	-----	-----	
Menominee..	29	9	15	4	1	-----	-----	-----	-----	Males..... Females.....	12 -----	11 13	12 2	4 1	1 -----	-----	-----	-----	1 1	-----	-----	
Midland.....	23	12	2	5	3	-----	-----	-----	1	Males..... Females.....	1 13	7 6	8 2	3 1	1 1	1 1	-----	-----	1 -----	-----	-----	
Missaukee...	3	1	-----	1	1	-----	-----	-----	-----	Males..... Females.....	2 -----	2 -----	-----	1 -----	-----	-----	-----	-----	-----	-----	-----	
Monroe.....	235	138	23	37	16	1	-----	3	3	Males..... Females.....	10 108	112 107	91 33	31 17	15 6	7 6	8 2	3 2	3 2	-----	1 3	
Montcalm...	156	96	17	23	12	2	-----	3	3	Males..... Females.....	3 79	73 43	39 13	16 6	9 5	8 2	1 3	3 3	2 1	-----	1	
Muskegon...	162	78	41	27	11	3	1	-----	1	Males..... Females.....	4 63	65 63	50 16	16 3	9 7	11 4	5 3	1 2	1 -----	-----	1	
Newaygo.....	78	57	7	9	4	1	-----	-----	-----	Males..... Females.....	4 48	35 12	24 8	8 1	2 5	2 -----	-----	1 1	-----	-----	1 1	
Oakland.....	325	239	16	35	21	5	1	1	7	Males..... Females.....	3 93	135 135	94 43	30 25	25 8	11 4	10 3	3 3	5 2	3 2	2 1	
Oceana.....	68	45	5	11	7	-----	-----	-----	-----	Males..... Females.....	3 38	31 19	17 4	10 3	3 3	-----	-----	-----	-----	-----	-----	
Ogemaw.....	6	1	1	3	1	-----	-----	-----	-----	Males..... Females.....	----- 3	-----	3 -----	1 -----	-----	-----	-----	1 1	-----	-----	-----	
Ontonagon..	13	3	1	6	3	-----	-----	-----	-----	Males..... Females.....	----- 6	-----	3 -----	4 1	2 1	1 1	-----	-----	-----	-----	-----	
Osceola.....	41	27	6	3	4	-----	1	-----	1	Males..... Females.....	1 16	17 13	17 7	3 3	2 -----	1 2	-----	-----	-----	-----	-----	

* No returns of marriages for 1876 to county clerk. † Includes two couples "America." • No return of marriages for 1876 to this Department.

VITAL STATISTICS OF MICHIGAN, 1876.

TABLE VIII.—CONTINUED.—*Marriages by Counties, Nativity, and Periods of Age.*

COUNTIES.		Num- ber of Coup- les Mar- ried, 1876.	NATIVITY OF PERSONS MARRIED, 1876, STATED BY COUPLES.										SEX STATED.	MARRIAGES AT DIFFERENT AGES, STATED IN PERIODS OF YEARS,—1876.															Unknown.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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			For- eign		Na- tive		Fe- males.	For- eign		Na- tive		Fe- males.		For- eign		Na- tive		Fe- males.		For- eign		Na- tive		Fe- males.		For- eign		Na- tive		Fe- males.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
			Both	For- eign	Na- tive	For- eign		Both	For- eign	Na- tive	For- eign	Both		For- eign	Na- tive	For- eign	Both	For- eign	Na- tive	For- eign	Both	For- eign	Na- tive	For- eign	Both	For- eign	Na- tive	For- eign		Both	For- eign	Na- tive	For- eign																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Otsego	13	5	2	2	4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

^aNo returns of marriages for 1876 to county clerk.

EXHIBIT 2.—*Number of Persons Returned as having been Married in Michigan in 1876, by Sex, and Excess of the Sexes, by Age in Years.*

AGE IN YEARS.	PERSONS MARRIED IN 1876.			EXCESS.		AGE IN YEARS.	PERSONS MARRIED IN 1876.			EXCESS.		
	Total.	Males.	Fe- males.	Males.	Fe- males.		Total.	Males.	Fe- males.	Males.	Fe- males.	
All ages.....	21,716	10,858	10,858	-----	-----	48.....	71	48	23	25	-----	
						49.....	68	43	20	23	-----	
13.....	3	-----	3	-----	3	50.....	95	67	28	39	-----	
14.....	29	-----	29	-----	29	51.....	48	40	8	32	-----	
15.....	125	-----	125	-----	125	52.....	55	36	19	17	-----	
16.....	668	1	667	-----	666	53.....	39	23	16	7	-----	
17.....	887	6	881	-----	875	54.....	35	25	10	15	-----	
18.....	1,409	79	1,330	-----	1,251	55.....	54	33	21	12	-----	
19.....	1,411	223	1,188	-----	965	56.....	61	44	17	27	-----	
20.....	1,580	504	1,086	-----	582	57.....	39	25	14	11	-----	
21.....	1,797	984	863	71	-----	58.....	25	16	9	7	-----	
22.....	1,818	991	827	164	-----	59.....	21	16	5	11	-----	
23.....	1,603	980	623	357	-----	60.....	53	38	15	23	-----	
24.....	1,475	1,000	475	525	-----	61.....	18	15	3	12	-----	
25.....	1,194	836	358	478	-----	62.....	21	15	6	9	-----	
26.....	1,155	845	310	535	-----	63.....	22	11	11	-----	-----	
27.....	857	629	228	401	-----	64.....	23	12	11	1	-----	
28.....	723	524	198	326	-----	65.....	28	25	3	22	-----	
29.....	518	383	135	248	-----	66.....	21	18	3	15	-----	
30.....	530	358	172	186	-----	67.....	6	6	-----	6	-----	
31.....	309	216	93	123	-----	68.....	13	10	3	7	-----	
32.....	332	232	100	132	-----	69.....	6	5	1	4	-----	
33.....	247	169	78	91	-----	70.....	13	10	3	7	-----	
34.....	237	146	91	55	-----	71.....	7	7	-----	7	-----	
35.....	302	209	93	116	-----	72.....	7	5	2	3	-----	
36.....	195	116	79	37	-----	73.....	5	4	1	3	-----	
37.....	155	105	50	55	-----	74.....	4	3	1	2	-----	
38.....	182	114	68	46	-----	75.....	4	4	-----	4	-----	
39.....	148	94	49	45	-----	76.....	2	2	-----	2	-----	
40.....	187	108	79	29	-----	77.....	5	4	1	3	-----	
41.....	83	55	28	27	-----	78.....	2	1	1	-----	-----	
42.....	119	77	42	35	-----	79.....	1	1	-----	1	-----	
43.....	82	49	33	16	-----	80.....	1	-----	1	-----	1	-----
44.....	76	46	30	16	-----	81.....	2	2	-----	2	-----	
45.....	116	73	43	30	-----	86.....	1	-----	1	-----	1	-----
46.....	96	61	35	26	-----	Unknown.....	122	43	79	-----	36	-----
47.....	71	38	33	5	-----							

Exhibit 2 is of interest in showing the contrast in the ages of persons of the two sexes, married in 1876. At ages 13 to 21 years, there was an excess of girls, while at all ages between those of 20 and 80 years there was an excess of males.

Table IX. shows, by counties, the number of males and of females under the age of 21 years returned as having been married in 1876. According to the table, there were 6,122 persons,—813 males and 5,309 females,—married in Michigan in 1876 under 21 years of age. This is a larger number of each sex than appears for any preceding year; and the number of each sex has increased with each year since 1869, with the single exception of 1871. The number of persons married under the age of 21 years in each of the years 1869–1876 is as follows: 1869, 4,390; 1870, 4,905; 1871, 5,425; 1872, 5,286; 1873, 5,539; 1874, 5,946; 1875, 6,017; 1876, 6,122. Nearly one-half (48.89 per cent) of all the females married in 1876 were under the age of 21 years.

In Table IX. may also be seen, so far as returned, the number of persons married in this State in 1876 who were not of legal marriageable age. According to the returns, 164 persons were thus illegally married in 1876. The law, printed in the back part of this Report, is very explicit on this point, and exposes the person who undertakes to join others in marriage, knowing of the above mentioned legal impediment, to the liability of paying a fine of five hundred dollars and of spending a year in the county jail.

TABLE IX.—*Exhibiting for the State and Counties, the Total Number, and Number of each Sex under 21 years of age, and the Number of each Sex at each Age under that of 21 Years, Returned as having been Married in Michigan during the Year ending December 31, 1876.*

STATE AND COUNTIES.	PERSONS MARRIED UNDER 21 YEARS OF AGE, 1876.			AGES OF MALES, 1876.					AGES OF FEMALES, 1876.							
	Total.	Males.	Fe- males.	Twenty.	Nineteen.	Eighteen.	Seventeen. ^a	Sixteen. ^a	Twenty.	Nineteen.	Eighteen.	Seventeen.	Sixteen.	Fifteen. ^a	Fourteen. ^a	Thirteen. ^a
STATE.....	6,122	813	5,309	504	223	79	6	1	1,068	1,188	1,330	881	667	125	29	3
Alcona.....	5		5						1	1	2	1				
Allegan.....	183	24	159	13	7	3		1	28	39	51	25	15	1		
Alpena.....	23	2	21	1	1				5	4	2	7	2	1		
Antrim.....	20	2	18		1	1			1	1	3	4	5	2	1	1
Baraga.....	8		8						4		2	1	1			
Barry.....	116	12	104	6	6				19	19	25	19	20	1	1	
Bay.....	92	10	82	7	2	1			22	16	22	9	12	1		
Benzie.....	21	3	18	1	2				4	3	5	2	3			
Berrien.....	248	33	215	23	3	7			56	58	56	21	22			
Branch.....	174	26	148	16	8	2			30	28	38	32	16	3		
Calhoun.....	161	31	130	16	11	4			26	32	34	24	13			
Cass.....	123	15	108	12		3			11	29	29	20	16	3		

^a Not legal marriages. For law and penalty to persons solemnizing, see sections (4719), (4720), (4725), and (4729), Compiled Laws of 1871, pages 1462, 1463, and 1464, printed also in back part of this Report.

TABLE IX.—CONTINUED.—*Persons Married under 21 Years of Age.*

COUNTIES.	PERSONS MARRIED UNDER 21 YEARS OF AGE, 1876.			AGES OF MALES, 1876.					AGES OF FEMALES, 1876.							
	Total.	Males.	Fe- males.	Twenty.	Nineteen.	Eighteen.	Seventeen. ^a	Sixteen. ^a	Twenty.	Nineteen.	Eighteen.	Seventeen.	Sixteen.	Fifteen. ^a	Fourteen. ^a	Thirteen. ^a
Charlevoix.....	17	1	16	1					3		5	2	4	2		
Cheboygan.....	18	4	14	1	2	1				5		4	3	2		
Chippewa.....	5		5						1	2	2					
Clare.....	4	1	3		1					1			2			
Clinton.....	118	18	100	12	4	2			22	29	23	16	7	2	1	
Delta.....	16		16						4	2	3	2	3	2		
Eaton.....	180	29	151	18	8	2	1		33	23	34	29	24	6	2	
Emmet.....	11	1	10			1			1	1	3	1	3		1	
Genesee.....	189	27	162	19	6	2			34	39	38	30	19	2		
Gladwin..... ^b																
Grand Traverse.....	34	3	31	2	1				7	6	3	8	4	3		
Gratiot.....	74	12	62	7	3	2			9	10	15	14	13	1		
Hillsdale.....	222	33	189	15	14	4			42	27	55	39	24	1	1	
Houghton.....	71	5	66	3	2				11	16	16	15	5	3		
Huron.....	90	9	81	6	2	1			13	16	17	20	13	1	1	
Ingham.....	151	28	123	19	7	2			27	29	36	16	12	2	1	
Ionia.....	155	21	134	13	6	2			28	28	33	27	15	2	1	
Iosco.....	12	2	10	2						2	3		2	3		
Isabella.....	39	6	33	4	1	1			2	7	9	4	7	2	2	
Isle Royal..... ^b																
Jackson.....	181	33	148	16	12	3	2		30	43	34	24	14	2		
Kalamazoo.....	112	19	93	11	6	1	1 ^c		23	26	19	17	6	2		
Kalkaska.....	9	1	8	1					2	1	3	1	1			
Kent.....	250	28	222	19	8	1			49	50	67	33	27	3	3	
Keweenaw.....	28	1	27	1					3	7	8	4	3	1	1	
Lake.....	9	2	7	1	1						2	1	1	3		
Lapeer.....	104	11	93	5	5	1			23	20	30	8	8	4		
Leelanaw.....	24	2	22	1	1				4	7	2	5	3		1	
Lenawee.....	216	29	187	18	8	2	1		41	37	48	33	23	5		
Livingston.....	77	13	64	8	4	1			14	14	17	8	11			
Mackinac.....	5	1	4	1					1		2		1			
Macomb.....	124	17	107	12	2	3			22	30	28	14	9	4		
Manistee.....	38		38						10	4	8	11	5			
Manitou..... ^c																
Marquette.....	48	6	42	2	3	1			5	9	13	8	5	1	1	

^a Not legal marriages. For law and penalty to persons solemnizing, see sections (4719), (4720), (4721), and (4722), Compiled Laws of 1871, pages 1462, 1463, and 1464, printed also in back part of this Report.

^b No returns of marriages for 1876 to county clerk.

^c No returns of marriages for 1876 from county clerk to this Department.

TABLE IX.—CONTINUED.—*Persons Married under 21 Years of Age.*

COUNTIES.	PERSONS MARRIED UNDER 21 YEARS OF AGE, 1876.			AGES OF MALES, 1876.					AGES OF FEMALES, 1876.							
	Total.	Males.	Fe- males.	Twenty.	Nineteen.	Eighteen.	Seventeen. ^a	Sixteen. ^a	Twenty.	Nineteen.	Eighteen.	Seventeen.	Sixteen.	Fifteen. ^a	Fourteen. ^a	Thirteen. ^a
Mason.....	22	3	19	3	—	—	—	—	3	4	2	7	1	1	1	—
Mecosta.....	51	4	47	3	—	1	—	—	7	11	8	8	9	1	2	1
Menominee.....	15	—	15	—	—	—	—	—	3	2	5	3	—	2	—	—
Midland.....	14	1	13	—	1	—	—	—	1	3	2	3	2	2	—	—
Missaukee.....	2	—	2	—	—	—	—	—	—	—	—	—	2	—	—	—
Monroe.....	135	18	137	8	9	1	—	—	29	29	44	18	14	2	—	1
Montcalm.....	102	15	87	12	2	1	—	—	8	19	21	14	21	3	1	—
Muskegon.....	93	10	83	6	4	—	—	—	21	19	16	8	17	2	—	—
Newaygo.....	62	8	54	4	3	1	—	—	6	6	21	13	5	3	—	—
Oakland.....	140	16	124	13	2	1	—	—	31	24	36	25	7	1	—	—
Oceana.....	49	3	46	1	—	2	—	—	8	8	8	8	11	2	1	—
Ogemaw.....	4	—	4	—	—	—	—	—	1	—	1	—	2	—	—	—
Ontonagon.....	8	—	8	—	—	—	—	—	2	—	2	2	2	—	—	—
Osceola.....	23	3	20	2	—	1	—	—	4	4	5	1	5	1	—	—
Otsego.....	8	—	8	—	—	—	—	—	1	3	4	—	—	—	—	—
Ottawa.....	139	18	121	12	5	1	—	—	23	30	30	20	17	1	—	—
Presque Isle.....	4	1	3	1	—	—	—	—	—	1	—	1	1	—	—	—
Rosecommon..... ^b	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Saginaw.....	212	30	182	21	5	4	—	—	41	47	40	30	20	3	1	—
Sanilac.....	68	4	64	3	1	—	—	—	17	15	9	8	12	3	—	—
Schoolcraft.....	2	—	2	—	—	—	—	—	—	—	—	—	1	—	1	—
Shiawassee.....	116	16	100	13	2	1	—	—	19	22	22	21	14	2	—	—
St. Clair.....	193	25	168	14	6	5	—	—	35	48	37	20	25	3	—	—
St. Joseph.....	178	32	146	21	9	2	—	—	30	37	37	25	16	1	—	—
Tuscola.....	88	6	82	3	2	—	1	—	10	16	18	12	17	9	—	—
Van Buren.....	148	27	121	21	6	—	—	—	23	29	28	23	13	4	1	—
Washtenaw.....	87	13	74	9	4	—	—	—	18	22	20	7	7	—	—	—
Wayne.....	304	37	267	20	14	3	—	—	68	65	73	40	17	4	—	—
Wexford.....	30	2	28	1	—	1	—	—	6	3	6	5	7	1	—	—

^a Not legal marriages. For law and penalty to persons solemnizing, see sections (4719), (4720), (4723), and (4725), Compiled Laws of 1871, pages 1462, 1463, and 1464, printed also in back part of this Report.

^b No returns of marriages for 1876 to county clerk.

MANNER OF UNION BY AGES.

Table X. is planned to show the number of males at each period of age who married females at each of the periods of age. The periods of age of the males are indicated in the first column, and of the females across the top of the table; and the table is explained as follows: Of the 309 males under 20 years of age, as shown by the column headed "Total Males," 251

married females under 20 years of age, 50 married females between 20 and 25 years of age, 5 married females between 25 and 30 years of age, 2 married females between 30 and 35 years, and 1 of unknown age. In the same manner each number of males in the column headed "Total Males" is distributed throughout the table in the various columns headed with the ages of the females. The 23 females married under 20 years of age, as shown in the second column of the line next to the bottom line of the table, headed "Total females," were married males as follows: 251 married males under 20 years of age, 2,448 married males between 20 and 25 years of age, 1,156 married males between 25 and 30 years of age, etc., down the column. The last column shows the proportion of males married at each period of age, and the bottom line shows the proportion of females married at each period of age. The largest proportion appears for those aged 20 to 25 years, and the largest proportion of males is shown for those under 20 years of age.

TABLE X.—*Exhibiting the Number of each Sex at each Period of Age who were Married in Michigan during the Year 1876; the Number of each Sex at each Period of Age who were United to the Opposite Sex at each Period of Age; and the Per Cent of Brides and of Bridegrooms at each Period of Age to Total at All Ages.*

AGES MALES, 1876.	AGES OF FEMALES, 1876.															Total Males.	Per Cent of Grooms at Each Age.
	Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and Over.	Unkn'n.		
Under 20.....	251	50	5	2	—	—	—	—	—	—	—	—	—	—	1	309	2.84
20 to 25.....	2,448	1,705	184	34	11	2	2	—	—	—	—	—	—	1	23	4,409	40.61
25 to 30.....	1,156	1,396	538	85	27	8	2	1	—	—	—	—	—	—	4	3,217	29.63
30 to 35.....	251	454	227	132	36	13	3	—	—	—	—	—	—	—	5	1,121	10.32
35 to 40.....	80	176	139	123	77	27	10	4	1	—	—	—	—	—	1	638	5.88
40 to 45.....	15	49	62	72	64	48	15	8	—	1	—	—	—	—	1	335	3.08
45 to 50.....	14	23	46	43	50	35	30	15	5	2	—	—	—	—	—	263	2.42
50 to 55.....	4	12	15	23	36	39	30	17	7	5	1	—	—	—	2	191	1.76
55 to 60.....	3	2	8	11	17	22	33	15	18	4	—	—	1	—	—	134	1.23
60 to 65.....	—	5	2	4	9	10	20	10	16	10	2	2	—	—	1	91	.84
65 to 70.....	1	1	1	3	7	5	5	8	14	14	3	2	—	—	—	64	.59
70 to 75.....	—	—	1	1	4	2	3	3	3	8	2	1	—	—	1	29	.27
75 to 80.....	—	—	1	—	1	1	1	—	2	2	1	2	1	—	—	12	.11
80 and over..	—	—	—	—	—	—	—	—	—	—	1	—	—	1	—	2	.02
Unknown.....	—	1	—	1	—	—	—	—	—	—	—	—	—	—	41	43	.40
Total Females..	4,223	3,874	1,229	534	339	212	154	81	66	46	10	7	2	2	79	10,858	—
Pct. of Brides at each Age..	38.89	35.68	11.32	4.92	3.12	1.95	1.42	.75	.61	.42	.09	.06	.02	.02	.73	—	100.00

Table XI. presents in detail by counties certain facts reported concerning the marriage in Michigan, in 1876, of persons between whom there was great disparity of ages. The marriage with the greatest disparity of ages, among those cases in which the bridegroom was the older, was returned in Gratiot county, the bridegroom being reported to have been 66 years, and the bride 16 years, making a disparity of 50 years. Among those cases in which the bride was the older, the greatest disparity is shown for a couple returned in Kent county, in which case the bridegroom is reported to have been 24 years, and the bride 80 years old,—a disparity of 56 years.

TABLE XI.—*Marriages with Great Disparity of Ages Returned as having been Solemnized in Michigan during the Year ending December 31, 1876.*

COUNTIES.	BRIDEGROOM OLDEST,—1876				BRIDE OLDEST,—1876			
	OCCUPATION OF BRIDEGROOM.		BIRTHPLACE.		OCCUPATION OF BRIDEGROOM.		BIRTHPLACE.	
	Bridegroom.	Bride.	Bridegroom.	Bride.	Bridegroom.	Bride.	Bridegroom.	Bride.
Allegan.....	Farmer.....	46	Michigan.....	Michigan.....				
Alpena.....	Druggist.....	38	New York.....	Ohio.....				
Baraga.....	Supt. Gas Works.....	77	Ireland.....	Connecticut.....				
Barry.....	Merchant.....	58	New York.....	New York.....	Farmer.....	Canada.....	Canada.....	54
Bay.....	Laborer.....	46	Sweden.....	Michigan.....	Printer.....	N. Y. City.....	Massachusetts.....	35
Benzie.....	Farmer.....	39	New York City.....	Michigan.....				
Berrien.....	Farmer.....	52	Indiana.....	Indiana.....	Farmer.....	Iowa.....	Germany.....	40
Branch.....	Farmer.....	61	New York.....	Ohio.....				
Calhoun.....	Farmer.....	70	New York.....	Ireland.....	Cabinet-maker.....	New York.....	New York.....	35
Cass.....	Farmer.....	51	Ohio.....	Michigan.....				
Charlevoix.....	Merchant.....	35	New York.....	Michigan.....	Farmer.....	Pennsylvania.....	Canada.....	37
Clinton.....	Farmer.....	80	New York.....	New York.....				
Delta.....	Laborer.....	33	Ireland.....	Michigan.....				
Eaton.....	Carpenter.....	65	Connecticut.....	New York.....				
Emmet.....					Day Laborer.....	Michigan.....	Michigan.....	34
Genesee.....	Farmer.....	37	New York.....	Michigan.....	Farmer.....	Pennsylvania.....	Canada.....	40
Grand Traverses.....	Carpenter.....	41	Ohio.....	Germany.....				
Gratiot.....	Farmer.....	66	New York.....	Michigan.....				
Hillsdale.....	Taylor.....	62	Ireland.....	New York.....	Farmer.....	Ohio.....	New York.....	42
Houghton.....					Laborer.....	Finland.....	Norway.....	50
Huron.....	Farmer.....	51	Norway.....	Norway.....	Farmer.....	New York.....	New York.....	50

Ingham	Farmer	Canada	Michigan	64	22	27	41
Ionia	Farmer	New York	New York	58	27	26	42
Iosco						24	34
Isabella						27	40
Jackson	Farmer	New York	Iowa	52	19	24	30
Kalamazoo	Miller	New York	New York	54	19	24	30
Kent	Unknown	Rhode Island	Michigan	73	29	24	30
Keweenaw	Butcher	Germany	Wisconsin	40	17	24	30
Lapeer	Farmer	Canada	Canada	52	25	28	42
Lenawee	Machinist	Virginia	Michigan	52	18		
Livingston	Farmer	New York	Michigan	60	20	20	30
Mackinac	Fisherman	Michigan	Michigan	35	16		
Macomb	Farmer	New Hampshire	Michigan	55	27		
Manistee	Painter	New York	Pennsylvania	54	23		
Marquette	Miner	Sweden	Sweden	40	16	27	45
Mason	Farmer	Connecticut	Pennsylvania	65	35		
Mecosta	Farmer	New York	Pennsylvania	33	15		
Monroe	Farmer	Vermont	Michigan	64	26	22	48
Montcalm	Farmer	New York	Michigan	56	16	44	60
Muskegon	Farmer	Ohio	Ohio	51	26	28	38
Newaygo	Farmer	Ohio	Pennsylvania	44	17	24	48
Oakland	Farmer	New York	Michigan	77	40	58	78
Ogemaw	Farmer	Ontario	Michigan	32	16	44	54
Ontonagon	Miner	Isle of Man	Michigan	49	18	37	49
Osceola						28	40
Otsego	Carpenter	New York	Ireland	47	18		
Ottawa	Farmer	Massachusetts	New York	70	38	31	45
Saginaw	Merchant	Russia	Michigan	56	25	21	32
Sanilac	Farmer	Canada	Scotland	68	38	35	52
Shawassee	Farmer	New York	England	67	44		
St. Clair	Clerk G. T. R. R.	Scotland	Nova Scotia	65	37	30	43
St. Joseph	Laborer	Pennsylvania	Ohio	58	30	19	30
Tuscola	Farmer	Canada	Michigan	50	16		
Van Buren	Farmer	Michigan	Michigan	56	16	23	40
Washtenaw	Laborer	New York	England	55	21		
Wayne	Farmer	New York	Ireland	76	37	25	46
Wexford	Blacksmith	Sweden	New York	37	16		

TABLE XII.—*Exhibiting for the State and Counties, the Number of Marriages in Michigan during each of the Years 1869 to 1876, inclusive, Returned previous to April 1, 1878; for the Years 1873, 1874, and 1876, the Number as first Returned, and the Number Returned since Compilation; the Number of Inhabitants in 1874; the Number of Inhabitants in 1874 to one Marriage in 1876; and the Per Cent of Marriages in 1876 to Inhabitants in 1874.*

STATE AND COUNTIES.	MARRIAGES.												Popula- tion, 1874, Repre- sented by Marriages in 1876.	Number of In- habit's in 1874 to one Mar- riage in 1876.	Per Ct. of Mar- riages in 1876 to Popula- tion in 1874.	
	1869.	1870.	1871.	1872.	1873.		1874.		1875.		1876.					
					Number return- ed previ- ous to April 1, 1878.	Number return- ed since first com- pila- tion.	Number return- ed previ- ous to April 1, 1878.	Number return- ed since first com- pila- tion.	Number return- ed previ- ous to April 1, 1878.	Number return- ed since first com- pila- tion.						
STATE.....	10,438	9,791	10,605	10,737	10,574	1,277	11,851	11,041	1,094	12,135	11,065	537	11,592	10,858	1,392,829	.81
Alcona.....	8	16	9	8	4	3	7	10	-----	10	13	-----	13	5	1,214	.41
Allegan.....	260	278	215	251	242	8	250	277	1	278	298	-----	298	306	32,381	.94
Alpena.....	44	8	31	53	43	-----	42	53	4	62	36	11	47	41	4,807	.85
Antrim.....	14	16	19	20	42	-----	42	30	-----	30	13	-----	13	24	3,002	.80
Baraga.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	9	-----	9	11	-----	-----
Barry.....	168	172	156	156	184	1	185	176	3	179	172	15	187	193	22,051	.88
Bay.....	138	126	121	176	150	5	155	203	7	210	196	8	199	174	24,882	.70
Benzie.....	12	18	19	14	23	1	24	17	-----	17	34	-----	34	32	2,663	.83
Berrien.....	393	365	400	449	320	103	432	304	122	426	358	-----	388	471	35,029	1.34
Branch.....	275	273	269	259	232	3	235	309	-----	300	301	1	302	281	25,726	1.09
Calhoun.....	278	291	276	355	283	13	296	341	12	333	343	-----	343	264	35,655	.74
Cass.....	169	201	205	211	204	22	223	202	11	213	180	14	194	202	20,525	.98
Charlevoix.....	6	18	18	10	17	-----	17	23	-----	23	21	-----	21	25	2,380	1.06
Cheboygan.....	15	14	21	7	23	-----	23	20	3	23	16	-----	16	23	3,070	.7

MARRIAGES—CORRECTED BY COUNTIES.

103

	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900
Alcona.....		13	8																												
Alcona.....	318	183	177	164	144	57																									
Delta.....	6	21	15	45																											
Eaton.....	100	214	237	240	179	30																									
Emmet.....	13	11	14	9	5																										
Genesee.....	342	324	283	292	209	103																									
Gladwin.....																															
Grand Traverse.....	36	20	33	33	31	1																									
Gratiot.....	91	77	112	90	121	19																									
Hilledale.....	331	325	324	357	308	29																									
Houghton.....	72	25	90	106	191																										
Huron.....	67	72	63	87	90																										
Ingham.....	229	215	239	229	209	19																									
Ionia.....	249	221	263	268	272	4																									
Iosco.....	14	28	44	46	46	2																									
Isabella.....	32	37	39	44	31	7																									
Isle Royal.....																															
Jackson.....	354	342	330	312	291	40																									
Kalamazoo.....	335	334	316	346	290	12																									
Kalkaska.....			3	5	4																										
Kent.....	526	426	492	536	588	18																									
Keweenaw.....	35	13	11	12	26																										
Lake.....				8	11																										
Lapeer.....	173	185	159	162	187	3																									
Leelanaw.....	43	29	45	31	42	2																									

a Population of Baraga county is included in the statement of the population of Houghton county, and cannot be ascertained.
b No returns of marriages for 1870 to county clerk.
c Population of townships 21 north, ranges 3 and 4 east, in Ogemaw county, and of the north quarter of the county cannot be ascertained, and is included in the statement of the population of Iosco county.

MARRIAGES—CORRECTED BY COUNTIES.

105

Ontonagon.....	15	11	6	12	21	1	23	14	2	10	2	13	13	2,400	185	.54
Oscoda.....	15	14	31	47	62	.....	63	47	.....	47	35	35	41	6,216	152	.66
Otsego.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	4	238	18	.53
Ottawa.....	215	187	204	100	233	.....	233	224	12	226	237	237	232	23,029	129	.78
Presque Isle.....	.....	.....	.....	5	7	.....	7	10	.....	10	3	3	5	1,615	323	.31
Roscommon..... ^b	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	4	.....	.....	.....
Roginaw.....	188	310	389	465	428	9	437	379	33	412	335	7	383	48,409	126	.79
Sanilac.....	107	100	113	117	80	22	111	107	.....	107	132	1	133	16,292	139	.72
Schoolcraft.....	.....	2	.....	5	8	.....	8	6	.....	6	5	.....	5	1,290	233	.39
Shiawassee.....	171	124	164	136	116	43	159	152	37	189	153	6	164	21,773	121	.83
St. Clair.....	287	308	339	343	290	66	356	369	31	400	327	14	341	40,688	123	.81
St. Joseph.....	313	236	330	270	276	6	282	273	28	306	265	29	273	25,906	95	1.05
Tuscola.....	75	101	115	133	121	13	134	121	29	150	138	3	141	16,998	116	.86
Van Buren.....	234	213	227	239	261	10	230	257	24	281	225	3	238	29,156	125	.80
Washtenaw.....	364	324	312	333	244	71	305	214	84	298	206	53	258	34,723	181	.55
Wayne.....	1,154	979	1,146	786	932	311	1,243	1,023	103	1,136	823	143	966	144,903	103	.52
Wexford.....	4	5	9	9	30	.....	30	22	1	23	21	9	30	3,011	59	1.69

^aNo returns of marriages for 1878 from the county clerk to this Department.

^bNo returns of marriages for 1878 to county clerk.

^cPopulation of townships 21 north, ranges 3 and 4 east, in Ogemaw county, and of the north quarter of the county cannot be ascertained, and is included in the statement of the population of Isco county.

EXHIBIT D.—*Number of Inhabitants to One Marriage, as stated for Different Foreign Countries, the United States, and some of the States of the Union. The Statements for Michigan include only the Inhabitants of Counties Represented by Returns of Marriages.*

COUNTRY, STATE, OR CITY.	Year for which the Statement is made.	Inhabitants to one Marriage Annually.	COUNTRY, STATE, OR CITY.	Year for which the Statement is made.	Inhabitants to one Marriage Annually.
Austria		117	Minnesota..... ^a	1870	116
Bavaria.....		160	Massachusetts..... ^b	1870	99
Belgium.....		122	Massachusetts..... ^b	1871	95
Denmark.....		129	Massachusetts..... ^b	1872	95
England.....		122	Massachusetts..... ^b	1873	96
Finland.....		141	Massachusetts..... ^b	1874	103
France.....		122	Massachusetts..... ^b	1875	121
Greece.....		174	Massachusetts..... ^b	1876	133
Holland.....		129	New Jersey..... ^c	1870	135
Norway.....		124	New York City..... ^d	1869	106
Prussia.....		106	New York City..... ^e	1870	118
Russia.....		111	Michigan..... ^f _g	1869	106
Saxony.....		107	Michigan..... ^f	1870	121
Spain.....		141	Michigan..... ^f _g	1871	117
Sweden.....		135	Michigan..... ^f _g	1872	121
United States.....	1860	122	Michigan..... ^f _g	1873	115
New York.....	1860	135	Michigan..... ^f _g	1874	117
Massachusetts.....	1865	97	Michigan..... ^f _h	1874	110
Ohio.....		105	Michigan..... ^f _i	1875	122
Minnesota.....	1860	110	Michigan..... ⁱ	1876	135
Minnesota.....	1868	107			

^a Taken from Statistics of Minnesota for 1870.
^b Taken from Registration Report of Massachusetts for 1876, page 18.
^c There were 16 Townships from which no returns of marriages were received. Computed from data in Registration Report of New Jersey for 1870.
^d Computed from data in Report of Metropolitan Board of Health for 1869.
^e Computed from data in Report of Board of Health, of Health Department, for 1870.
^f Marriages corrected, for additional returns, up to April 1, 1878.
^g Population estimated from Censuses of 1860 and 1870.
^h Population as per Census of Michigan, 1874.
ⁱ Population estimated from Censuses of 1864 and 1874.

DEATHS, 1876.

The compilation of the statistics of deaths, made from the returns of the county clerks, shows that 12,576 deaths occurred in Michigan during the year 1876,—a larger number than was returned for any previous year except 1872 and 1873. If the usual method of correction is applied to the number returned for 1876, to correct for omissions in the enumeration, the number which probably occurred in this State in 1876 is shown to be 18,389, including deaths in months not stated. For the year 1876, the per cent by which the deaths returned are increased, according to the system of correction, in order to learn the number of deaths which probably occurred, was 46.34; and as the number of deaths returned for 1876 does not greatly differ from the number in 1875, the compiler's method of correction is thought to be satisfactory for that year. It is, therefore, probable that an addition of 46.34 per cent of the number returned is necessary to show the number of deaths which occurred in 1876, and that the whole number of deaths which occurred was nearer 18,389 than the number returned,—12,576.

Throughout the tables, exhibits, and remarks, relating to the deaths, the compiler endeavors to specify distinctly whether the statements relate to the deaths returned, or the deaths which probably occurred. In many of the tables and exhibits it probably makes little difference, because it seems probable that the proportion of deaths caused by a given disease may be the same in the deaths which are returned as they would be if every death was returned; yet this is not certain, because we know that for the early part of each year a greater proportion of deaths are omitted than for the latter part of the year, and inasmuch as some diseases prevail most at one season of the year, and others at a different season, it seems necessary, in any study of the causes of deaths, to hold constantly in mind the facts as to the unequal omissions of deaths in the different months, in the enumeration made by the supervisors and assessors.

The importance of a knowledge of the causes of deaths is recognized as very great, and it is earnestly hoped that it will not be many years before the law will provide for placing upon record the facts respecting the causation of every death before the burial or removal of the body of the deceased person.

Until such time as the returns shall represent the deaths which occurred, some laborious method of correction of the returns seems to be required.

The average numbers of deaths for certain specified periods of time, as returned and as corrected for omissions in enumerating, including those in unknown month, are as follows:

PERIODS OF TIME.	Deaths as Returned.	Deaths as Corrected.
Average number per quarter.....	3,144.00	4,597.25
Average number per month.....	1,048.00	1,532.42
Average number per week.....	241.85	353.63
Average number per day.....	34.45	50.38

THE DEATH-RATE IN MICHIGAN.

Because of the imperfections in the usual crude methods of securing the statistics of deaths for the U. S. Census, and for State Reports on Vital Statistics, it is almost, if not quite, impossible, to form a good idea of the death-rate in any State in the Union, much as this knowledge is needed for any systematic study of the causes of deaths with a view to the removal or avoidance of those causes. The importance of the subject is such, however, that no effort should be spared which promises any considerable addition to our knowledge of it, consequently in each of these Reports the compiler employs all the available methods known to him whereby the best evidence possible may be evolved from the crude material which our law supplies, bearing in mind that there are, in this country, few States in which any better material is supplied. The following tabular statement, of the best material available in this State, is worthy of study. If any comparison is to be made with similar statements for other States, the column of per cent of deaths as returned should be employed, because, so far as known to the compiler, no other State than this publishes statements of the deaths which probably occurred, but only of the deaths returned. In comparing the death-rate in Michigan with that of any city where burial and removal permits are required, and where in consequence all, or nearly all, the deaths are recorded and compiled, the column, in the tabular view given herewith, of per cent of deaths corrected for omissions to inhabitants should be employed, and inasmuch as death-rates for cities are usually stated by number of deaths to each thousand inhabitants, instead of by per cent, the decimal point in the statement for this State may be removed one place to the right, the probable death-rate being 1.39 per cent, or 13.9 per thousand. Compared with cities and countries where the deaths are generally ascertained, this death-rate is very low. If Michigan is such a favored land as appears by its Vital Statistics, greater effort should be made to ascertain the truth with certainty, and to invite intelligent and good persons to make their home within its borders, and thus enjoy the great blessings which health and long life confer.

	Inhabitants in 1874 Represented by Deaths in 1876.	Deaths as Returned.	Deaths Corrected for Omissions in Enumerating.	PER CENT OF DEATHS IN 1876 TO INHABITANTS IN 1874.	
				Deaths as Returned.	Deaths Corrected for Omissions.
Total.....	1,316,986	12,576	18,358	.95	1.39

Proceeding in the compiler's usual order,—from general toward special statements, Table I. is here introduced, showing the number and per cent of deaths by quarters of the year. The largest proportion is shown for the quarter ending with September, the smallest for the quarter ending with March. This is true of the statistics for each year thus far compiled, when the deaths are

compiled as returned; if they were corrected for omissions in the enumeration, the order might be different.

TABLE I.—Deaths in Michigan by Quarters of the Year, exhibiting the Number and Per Cent of Total, Returned for each of the Years 1870-1876, inclusive.

TOTALS, AND MONTHS WITH WHICH QUARTERS END.	1870.		1871.		1872.		1873.		1874.		1875.		1876.	
	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.
Totals.....	10,766	100.00	9,728	100.00	13,371	100.00	14,258	100.00	12,500	100.00	11,990	100.00	12,576	100.00
March.....	1,698	15.77	1,888	19.41	2,299	17.19	3,211	22.52	2,246	17.97	2,679	22.34	2,460	19.56
June.....	2,121	19.70	2,007	21.55	2,934	21.94	3,335	23.39	3,039	24.31	2,833	23.63	2,903	22.99
September..	3,920	36.41	2,926	30.08	4,441	33.21	4,182	29.33	3,870	30.96	3,334	27.81	4,000	31.88
December..	2,992	27.79	2,760	28.37	3,667	27.43	3,461	24.28	3,299	26.39	3,073	25.62	3,273	26.02
Unknown..	35	.32	57	.58	30	.22	69	.48	46	.37	71	.59	31	.25
Average...	2,692	25.00	2,432	25.00	3,343	25.00	3,565	25.00	3,125	25.00	2,998	25.00	3,144	25.00

DEATHS BY MONTHS.

TABLE II.—Deaths in Michigan, by Months, Exhibiting the Number and Per Cent of Total returned for each of the Years 1873, 1874, 1875, and 1876, the months arranged in order by Number of Deaths, those having the greatest number first.

ORDER.	1873.			1874.			1875.			1876.		
	Year and Months.	Num- ber.	Per Ct. of Total.	Year and Months.	Num- ber.	Per Ct. of Total.	Year and Months.	Num- ber.	Per Ct. of Total.	Year and Months.	Num- ber.	Per Ct. of Total.
	Year.....	14,258	100.00	Year.....	12,500	100.00	Year.....	11,990	100.00	Year.....	12,576	100.00
1	August....	1,535	10.77	September	1,517	12.14	August....	1,222	10.19	August....	1,507	11.98
2	September	1,471	10.32	August....	1,388	11.10	September	1,219	10.17	September	1,423	11.32
3	October..	1,258	8.83	October....	1,211	9.69	October....	1,080	9.01	December..	1,153	9.17
4	March.....	1,248	8.75	December..	1,120	8.96	December..	1,065	8.88	October....	1,131	8.99
5	July.....	1,176	8.25	April.....	1,102	8.81	March.....	1,045	8.72	July.....	1,079	8.58
6	April.....	1,174	8.23	May.....	1,071	8.57	May.....	1,022	8.52	November..	930	7.86
7	December..	1,136	7.97	November..	968	7.74	April.....	1,003	8.37	April.....	978	7.78
8	May.....	1,121	7.87	July.....	963	7.72	November..	928	7.74	March.....	975	7.75
9	February..	1,104	7.74	March.....	919	7.35	February..	898	7.49	May.....	970	7.71
10	November..	1,067	7.49	June.....	866	6.93	July.....	893	7.45	June.....	855	6.80
11	June.....	1,040	7.30	February..	672	5.38	June.....	808	6.74	February..	800	6.36
12	January....	859	6.02	January....	655	5.24	January....	736	6.14	January....	685	5.45
	Unknown..	69	.48	Unknown..	46	.37	Unknown..	71	.59	Unknown..	31	.25
	Average..	1,188	8.33	Average..	1,042	8.33	Average..	990	8.33	Average..	1,048	8.33

The number and per cent of deaths as returned by months arranged in order, those having the greatest number first, are shown in Table II. page 109. August and September are the first two months in the table, as they have been in each of the years 1868-1876. Only five months of the year show as much as the monthly average per cent, whereas in 1875, seven months had each more than the monthly average.

Because of the unequal omissions of deaths by months, the order of the months is not the same as appears in Table II. if the deaths are corrected for omissions in the returns, as may be seen by comparing Table II. with Exhibit D, page 114, wherein the months are arranged in a manner similar to that in Table II., but the deaths have been corrected for omissions in the returns. Inasmuch as no such exhibit has ever been made before, it is made to include the six years 1871-1876 for purposes of comparison.

Table III. shows by months, the number of males and of females returned as having died in this State in 1876, the per cent of the sexes, and the number of males to 100 females. There is an excess of deaths of males in each month, the greatest per cent being in January, the least in February.

TABLE III.—*Number and Per Cent of Deaths of Males and of Females in Michigan in 1876, from All Causes, as Returned, by Months. (Unknown Sex excluded.)*

YEAR AND MONTHS, 1876.	NUMBER OF DEATHS, AS RETURNED, 1876.		PER CENT OF EACH SEX TO TOTAL OF BOTH SEXES.			Males to 100 Females.
	Males.	Females.	Males.	Females.	Excess of Males.	
Year, 1876.....	6,756	5,761	53.97	46.03	7.94	117.3
January	392	292	57.31	42.69	14.63	134.2
February	412	385	51.69	48.31	3.38	107.0
March	515	456	53.04	46.96	6.08	112.9
April.....	509	463	52.37	47.63	4.74	109.9
May	519	449	53.62	46.38	7.24	115.6
June	463	388	54.41	45.59	8.82	119.3
July	598	480	55.47	44.53	10.94	124.6
August.....	822	677	54.84	45.16	9.68	121.4
September	757	664	53.27	46.73	6.54	114.0
October	606	521	53.77	46.23	7.54	116.3
November	541	439	55.20	44.80	10.40	123.3
December.....	607	535	53.15	46.85	6.30	113.5
Unknown	15	12	55.56	44.44	11.12	125.0

In Exhibit A the deaths are equalized to months of uniform length; and the proportion of deaths in each month and the per cent of the sexes are shown for the year 1876.

EXHIBIT A.—*By Sex, the Number of Deaths Returned as having occurred in Michigan during the Year 1876, by Months Equalized to 30.44 days each;—Number of Deaths in each Month; Per Cent of Deaths in each Month to Total Deaths during the Year; and Per Cent and Excess of Per Cent of Deaths of each Sex to Total of Both Sexes.*

YEAR AND MONTHS, 1876.	NUMBER OF DEATHS IN 1876 AS RETURNED, EQUALIZED.				PER CENT OF DEATHS IN EACH MONTH TO TOTAL DURING THE YEAR.				PER CENT OF EACH SEX TO TOTAL OF BOTH SEXES, UNKNOWN SEX EXCLUDED.		
	Total.	Males.	Fe- males.	Un- known.	Total.	Males.	Fe- males.	Un- known.	Males.	Fe- males.	Excess of Males.
Year, 1876...	12,545	6,737	5,749	39	100.00	100.00	100.00	100.00	53.96	46.04	7.92
January...	673	355	287	1	5.36	5.71	4.99	1.69	57.29	42.71	14.58
February...	840	433	404	3	6.69	6.43	7.03	5.09	51.73	48.27	3.46
March.....	958	506	448	4	7.63	7.51	7.79	6.78	53.04	46.96	6.08
April.....	992	516	470	6	7.91	7.66	8.17	10.17	52.33	47.67	4.66
May.....	953	510	441	2	7.60	7.57	7.67	3.39	53.63	46.37	7.26
June.....	868	470	394	4	6.92	6.98	6.85	6.78	54.40	45.60	8.80
July.....	1,060	587	472	1	8.45	8.71	8.21	1.70	55.43	44.57	10.86
August.....	1,480	807	665	8	11.80	11.98	11.57	13.56	54.82	45.18	9.64
September..	1,443	768	673	2	11.52	11.40	11.71	3.39	53.30	46.70	6.60
October.....	1,111	595	512	4	8.85	8.83	8.91	6.78	53.75	46.25	7.50
November...	1,004	549	446	9	8.00	8.15	7.76	15.25	55.18	44.82	10.36
December...	1,132	596	525	11	9.02	8.85	9.13	18.64	53.17	46.83	6.34
Unknown...	31	15	12	4	.25	.22	.21	6.78	55.56	44.44	11.12
Average.... ^b	1,043	590	478	5	8.33	8.33	8.33	8.33	-----	-----	-----

^a Thirty-one,—19 males and 12 females,—lost in equalization.

^b Unknown month excluded.

Exhibit B is planned to show the relative standing of the different months with respect to mortality during a series of years; but the omissions in the enumeration interfere with the evidence, so that one chief item of interest in the exhibit is the comparison of the evidence in Michigan, as based upon the U. S. Census of 1870, and as based upon these statistics collected by the supervisors. In Massachusetts and in Rhode Island the manner of the enumeration is similar to that in this State, and the exhibit permits of comparisons.

EXHIBIT B.—Months arranged in Order by Number of Deaths, those having the greatest Number first, in Michigan for the Census Year ending June 1, 1870, by the U. S. Census and by the State Registration Returns; for each of the Years 1873 to 1876, inclusive, as per Registration Returns; and for each of the Years 1874 to 1876, inclusive, Corrected for Omissions in Enumerating; in Massachusetts for each of the Years 1874, 1875 and 1876; also, in Rhode Island for the Years 1874 to 1876, inclusive.

ORDER.	MICHIGAN FOR CENSUS YEAR ENDING JUNE 1, 1870.		MICHIGAN AS PER REG- ISTRATION RETURNS, INCLUDING STILL- BIRTHS.				MICHIGAN, COR- RECTED FOR OMISSIONS IN ENUMERATING, INCLUDING STILL-BIRTHS.			MASSACHUSETTS, INCLUDING STILL-BIRTHS.			RHODE ISLAND EXCLUDING STILL-BIRTHS.		
	Returned by Census Mar- shall.	Registration Returns.	1873.	1874.	1875.	1876.	1874.	1875.	1876.	1874.	1875.	1876.	1874.	1875.	1876.
1..	Mar.	Sept.	Aug.	Sept.	Aug.	Aug.	Sept.	Aug.	Aug.	Aug.	Aug.	Aug.	Aug.	Aug.	Aug.
2..	May.	Aug.	Sept.	Aug.	Sept.	Sept.	Aug.	Mar.	Sept.	Sept.	Sept.	July.	Sept.	Sept.	July.
3..	Aug.	Oct.	Oct.	Oct.	Oct.	Dec.	Apr.	Sept.	Mar.	May.	Jan.	Mar.	Apr.	Feb.	Dec.
4..	Sept.	Dec.	Mar.	Dec.	Dec.	Oct.	May.	Apr.	July.	Oct.	Feb.	Jan.	July.	Jan.	Mar.
5..	Apr.	Mar.	July.	Apr.	Mar.	July.	Oct.	May.	Apr.	Dec.	July.	Sept.	Oct.	Dec.	Sept.
6..	Feb.	May.	Apr.	May.	May.	Nov.	Mar.	Feb.	May.	July.	Dec.	Apr.	May.	Nov.	Oct.
7..	Oct.	July.	Dec.	Nov.	Apr.	Apr.	July.	Oct.	Oct.	Apr.	May.	Feb.	Jan.	July.	May.
8..	Dec.	Nov.	May.	July.	Nov.	Mar.	Dec.	Dec.	Dec.	Mar.	Mar.	Oct.	Dec.	Mar.	Apr.
9..	Jan.	Apr.	Feb.	Mar.	Feb.	May.	June.	July.	Feb.	Nov.	Apr.	Dec.	Nov.	Oct.	Feb.
10..	July.	June.	Nov.	June.	July.	June.	Nov.	Jan.	June.	Jan.	Oct.	May.	Mar.	May.	Jan.
11..	Nov.	Feb.	June.	Feb.	June.	Feb.	Jan.	June.	Nov.	Feb.	Nov.	Nov.	June.	Apr.	Nov.
12..	June.	Jan.	Jan.	Jan.	Jan.	Jan.	Feb.	Nov.	Jan.	June.	June.	June.	Feb.	June.	June.

DEATHS BY MONTHS, CORRECTED FOR OMISSIONS IN THE ENUMERATION.

As suggested on a preceding page, it is possible to estimate the number of deaths which occurred in each month; this is done by assuming what seems to have been proved, that the omissions bear a direct relation to the time which elapses between the occurrence of the deaths and their enumeration by the supervisor, and that if collected as soon as were the deaths in the Census year by the U. S. Marshals, the number of deaths in December would bear a relation to those in January similar to that found between the deaths in these months for the Census year. Applying this method of correction (which has been so fully explained in previous Reports that it does not seem necessary to go into details here) to the deaths returned for 1876, it was found that the average per cent to be added to the deaths returned to make them equal the number which probably occurred was 46.34, but as the omissions are in proportion to the time between the deaths and their being placed upon record, the proportion to be added differs for each month; it is stated in the second line of Exhibit C, page 113, and of Exhibit E, page 117.

Equalized for the several Months, Equalized for Months of a uniform length of 30.44 days; also indicating some of the steps by which these results have been reached.

	Total. ^a	MONTHS, 1876.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Deaths as returned by Registration Officers.....	12,545	625	800	975	978	970	855	1,079	1,507	1,423	1,131	989	1,153
Per cent of deaths to be added for correction for time elapsing before enumeration.....		73.95	69.33	64.71	60.09	55.47	50.85	46.23	41.61	36.99	32.37	27.75	23.13
Number of deaths to be added for above correction.....	5,813	507	555	631	588	538	435	499	637	526	366	274	267
Deaths, if enumerated in months of occurrence.....	18,358	1,192	1,355	1,606	1,566	1,508	1,290	1,578	2,134	1,949	1,497	1,263	1,430
Per cent of deaths to be added to equalize them to population at close of year.....		4.21	3.98	3.51	3.16	2.81	2.46	2.11	1.76	1.41	1.06	.71	.35
Deaths to be added to equalize them to population at close of year.....	409	50	53	56	49	42	32	33	38	27	16	9	5
Deaths as corrected, equalized to population at close of year.....	18,767	1,242	1,407	1,662	1,615	1,550	1,322	1,611	2,172	1,976	1,513	1,272	1,435
Days and months by which the months should be increased or diminished to equalize them to months of uniform length.....		-.56	+1.44	-.56	+ .44	-.56	+ .44	-.56	-.56	+ .44	-.56	+ .44	-.56
Number by which the deaths should be increased or diminished to equalize them to months of uniform length.....	-40	-22	+70	-30	+24	-28	+19	-29	-30	+29	-27	+19	-26
Deaths, corrected and equalized, equalized to months of uniform length.....	18,727	1,220	1,477	1,632	1,639	1,522	1,341	1,583	2,133	2,005	1,486	1,291	1,399

^a Excluding 31 in unknown month.

Exhibit C differs from Exhibit E in having the deaths equalized in such a manner as to make allowance for the increase of population during the year,—the last line in Exhibit C shows the number of deaths for each month in a population equaling that at the close of the year. That line probably supplies data for more exact comparisons of the several months with each other than does any other line or column in this Report.

EXHIBIT D.—Deaths during the Years 1871 to 1876, inclusive, as Corrected for Omissions in the Enumeration, exhibiting the Number and Per Cent of Total, by Months arranged in Order by Number, Months having the greatest Number first.

ORDER.	1871.			1872.			1873.			1874.			1875.			1876.		
	Montha.	Num-ber.	Per Ct. of Total.	Montha.	Num-ber.	Per Ct. of Total.	Montha.	Num-ber.	Per Ct. of Total.	Montha.	Num-ber.	Per Ct. of Total.	Montha.	Num-ber.	Per Ct. of Total.	Montha.	Num-ber.	Per Ct. of Total.
	Total.	15,722	100.00	Total.	21,101	100.00	Total.	20,312	100.00	Total.	20,080	100.00	Total.	17,289	100.00	Total.	16,389	100.00
1.....	Aug. ..	1,692	10.76	Aug. ..	2,660	12.61	Aug. ..	2,107	10.37	Sept. ..	2,258	11.24	Aug. ..	1,689	9.83	Aug. ..	2,134	11.60
2.....	Sept.	1,583	10.07	Sept. ..	2,435	11.53	March	1,972	9.71	Aug. ..	2,151	10.71	March	1,630	9.72	Sept. ..	1,949	10.60
3.....	March.	1,466	9.32	April. ..	2,014	9.54	Sept. ..	1,950	9.64	April. ..	1,977	9.84	Sept. ..	1,612	9.50	March	1,608	8.73
4.....	Dec.	1,351	8.59	Oct.	1,866	8.84	April. ..	1,806	8.89	May ..	1,866	9.24	April. ..	1,568	9.07	July. ..	1,578	8.66
5.....	Oct.	1,341	8.53	March	1,718	8.14	Feb.	1,790	8.81	Oct.	1,728	8.60	May ..	1,554	8.99	April. ..	1,568	8.52
6.....	May.	1,313	8.35	May ..	1,672	7.92	May ..	1,678	8.26	March	1,705	8.49	Feb.	1,482	8.57	May ..	1,508	8.90
7.....	April.	1,307	8.31	July. ..	1,669	7.91	July. ..	1,663	8.19	July ..	1,554	7.74	Oct.	1,408	8.14	Oct.	1,497	8.14
8.....	July.	1,281	8.15	Dec.	1,668	7.90	Oct.	1,623	7.99	Dec.	1,462	7.28	Dec.	1,596	7.50	Dec.	1,420	7.72
9.....	Feb.	1,190	7.12	Nov.	1,432	6.79	June ..	1,514	7.45	June ..	1,448	7.21	July ..	1,280	7.40	Feb.	1,355	7.37
10.....	Nov.	1,097	6.98	Feb.	1,425	6.75	Jan.	1,428	7.03	Nov.	1,323	6.58	Jan.	1,247	7.21	June ..	1,290	7.01
11.....	Jan.	1,058	6.73	June ..	1,344	6.37	Dec.	1,371	6.75	Jan.	1,295	6.44	June ..	1,183	6.90	Nov.	1,263	6.87
12.....	June.	1,057	6.72	Jan.	1,170	5.54	Nov.	1,322	6.56	Feb.	1,288	6.41	Nov.	1,169	6.76	Jan.	1,192	6.48
	Unk.	57	.36	Unk.	80	.14	Unk.	69	.34	Unk.	46	.23	Unk.	71	.41	Unk.	31	.17
	AV.	1,310	8.33	AV.	1,758	8.33	AV.	1,693	8.33	AV.	1,674	8.33	AV.	1,441	8.33	AV.	1,533	8.33

* Including deaths in unknown month.

Exhibit D may be compared with Table II., page 109, in which the deaths appear as they were returned. This exhibit is commented upon on page 110.

DIAGRAM No. 3.

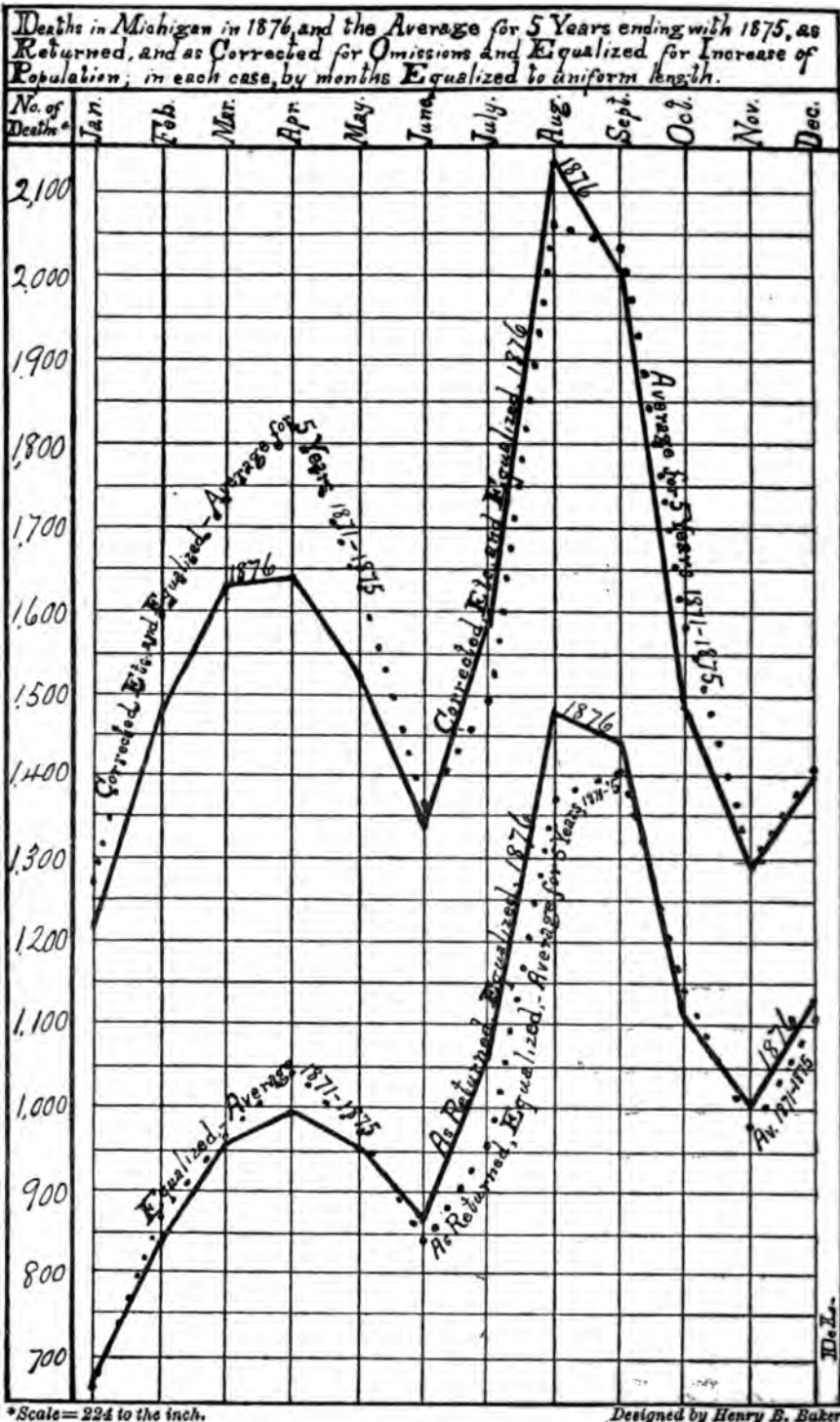


Diagram No. 3, opposite, exhibits graphically the relative proportion of deaths in each month, as first returned, and as corrected for omissions in the enumeration. It also pictures to the eye the average proportion for each month for the five years,—1871–1875; and thus permits of comparisons of each month in 1876 with each other month in that year, and with the average for each month in the period of years preceding.

The first and the last lines in Exhibit E are graphically represented in Diagram No. 3, on the page opposite this. Comments on the subject of Exhibit E are printed on page 112.

EXHIBIT E.—*Deaths in Michigan during the Year 1876 as Returned, as Corrected for Omissions in Enumerating, and as thus Corrected, Equalized to Months of uniform length of 30.44 days each.*

MONTHS, 1876.													
TOTAL ^a	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Deaths as returned by Registration Officers.....	685	800	975	978	970	855	1,079	1,507	1,423	1,131	989	1,153	
Per cent of deaths to be added for correction for time elapsing before enumeration.....	73.95	69.33	64.71	60.09	55.47	50.85	46.23	41.61	36.99	32.37	27.75	23.13	
Number of deaths to be added for above correction.....	5,813	507	555	631	538	435	499	627	526	366	274	267	
Deaths, if enumerated in months of occurrence.....	18,358	1,192	1,355	1,606	1,593	1,508	1,290	1,578	2,134	1,949	1,497	1,263	1,420
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length.....	-.56	+1.44	-.56	+4.4	-.56	+4.4	-.56	-.56	+4.4	-.56	+4.4	-.56	
The number by which the deaths should be increased or diminished to equalize them to months of uniform length.....	- 42	- 22	+ 67	- 29	+ 23	- 27	+ 19	- 29	- 39	+ 29	- 27	+ 19	- 29
Deaths, corrected and equalized to months of uniform length.....	18,316	1,170	1,422	1,577	1,589	1,481	1,309	1,549	2,005	1,978	1,470	1,282	1,394

^a Excluding 31 in unknown month.

AGES OF PERSONS WHO DIED IN MICHIGAN IN 1876.

The number of deaths, by sex, by periods of age, the per cent of deaths at each age, the per cent of the sexes, etc., are shown in Table IV. Of all the deaths returned, 27.24 per cent were of children under one year of age, and 40.72 per cent were of children under five years of age. Of the decedents aged under one and under five years, the largest proportion is

shown for the males. There were 995 more males than females returned as having died in 1876,—an excess of 7.94 per cent.

TABLE IV.—*Exhibiting, by Sex, and by Age in Periods of Years, the Number and Proportion of Persons Returned as having Died in Michigan during the Year 1876; also the Excess of Persons of each Sex.*

AGES IN YEARS AND PERIODS.	NUMBER OF DEATHS, 1876.				PER CENT OF DEATHS AT EACH AGE TO TOTAL AT ALL AGES.			PER CENT OF EACH SEX TO TOTAL OF BOTH SEXES.				EXCESS OF THE SEXES BY NUMBER.		Males to 100 Fe- males.
	Total.	Males.	Fe- males.	Unk.	Total.	Males.	Fe- males.	Males.	Fe- males.	Excess.		Males.	Fe- males.	
										Males.	Fe- males.			
All Ages....	12,576	6,758	5,761	59	100.00	100.00	100.00	53.97	46.03	7.94	.....	995	.....	117.27
Under 1....	3,426	1,935	1,450	41	27.24	28.64	25.17	57.16	42.84	14.32	.....	485	.....	133.45
1 to 2.....	842	441	401	.....	6.70	6.53	6.96	52.38	47.62	4.76	.....	40	.....	100.96
2 to 3.....	372	182	190	.....	2.96	2.69	3.30	48.92	51.08	.....	2.16	.....	8	96.79
3 to 4.....	277	142	134	1	2.20	2.10	2.33	51.45	48.55	2.90	.....	8	.....	105.97
4 to 5.....	204	98	106	.....	1.62	1.45	1.84	48.04	51.96	.....	3.92	.....	8	92.45
Under 5....	5,121	2,798	2,281	42	40.72	41.42	39.59	55.09	44.91	10.18	.....	517	.....	122.67
5 to 10....	630	332	298	.....	5.01	4.91	5.17	52.70	47.30	5.40	.....	34	.....	111.41
10 to 15....	367	180	187	.....	2.92	2.66	3.25	49.06	50.95	.....	1.90	.....	7	96.26
15 to 20....	537	233	304	.....	4.27	3.45	5.28	43.39	56.61	.....	13.22	.....	71	76.64
20 to 25....	564	235	329	.....	4.48	3.48	5.71	41.67	58.33	.....	16.66	.....	94	71.43
25 to 30....	515	240	275	.....	4.10	3.55	4.77	46.60	53.40	.....	6.80	.....	35	87.27
30 to 35....	425	206	220	.....	3.33	3.03	3.82	48.24	51.76	.....	3.52	.....	15	93.18
35 to 40....	423	208	215	.....	3.36	3.06	3.73	49.17	50.83	.....	1.66	.....	7	96.74
40 to 45....	349	183	166	.....	2.78	2.71	2.88	52.44	47.56	4.88	.....	17	.....	110.24
45 to 50....	375	226	149	.....	2.98	3.35	2.59	60.27	39.73	20.54	.....	77	.....	151.68
50 to 55....	393	214	179	.....	3.13	3.17	3.11	54.45	45.55	8.90	.....	36	.....	119.55
55 to 60....	420	266	154	.....	3.34	3.94	2.67	63.33	36.67	26.66	.....	112	.....	172.73
60 to 65....	418	255	163	.....	3.32	3.77	2.83	61.00	39.00	22.00	.....	92	.....	156.44
65 to 70....	461	277	184	.....	3.67	4.10	3.19	60.09	39.91	20.18	.....	93	.....	150.54
70 to 75....	490	290	200	.....	3.90	4.29	3.47	59.18	40.82	18.36	.....	90	.....	145.00
75 to 80....	387	234	153	.....	3.08	3.46	2.66	60.47	39.53	20.94	.....	81	.....	152.94
80 to 85....	243	142	101	.....	1.93	2.10	1.75	58.44	41.56	16.88	.....	41	.....	96.77
85 to 90....	122	60	62	.....	.97	.89	1.03	49.18	50.82	.....	1.64	.....	2	78.13
90 to 95....	57	25	32	.....	.45	.37	.56	43.96	56.14	.....	12.28	.....	7	188.89
95 to 100....	26	17	9	.....	.21	.25	.16	65.38	34.62	30.76	.....	8	.....	50.00
100 and over	9	3	6	.....	.07	.04	.10	33.33	66.67	.....	33.34	.....	3	141.69
Unk. Ages..	244	133	94	17	1.94	1.97	1.63	58.59	41.41	17.18	.....	39	.....	.....

TABLE F.—Deaths Returned as having occurred in Michigan in 1876,
by Sex, and Excess of the Sexes, by Age in Years.

YE EARS.	DECEDENTS, 1876.				EXCESS.		AGE IN YEARS.	DECEDENTS, 1876.				EXCESS.	
	Total.	Males.	Fe- males.	Unk.	Males.	Fe- males.		Total.	Males.	Fe- males.	Unk.	Males.	Fe- males.
Ages.	12,578	6,756	5,761	59	905	-----	36.....	102	47	55	-----	-----	8
							37.....	71	29	42	-----	-----	13
er 1..	3,425	1,935	1,450	41	485	-----	38.....	77	47	30	-----	17	-----
	542	441	401	-----	40	-----	39.....	80	37	43	-----	-----	6
	372	182	190	-----	-----	8	40.....	100	52	48	-----	4	-----
	277	142	124	1	8	-----	41.....	48	30	18	-----	12	-----
	204	98	106	-----	-----	8	42.....	83	49	34	-----	15	-----
	173	105	68	-----	37	-----	43.....	56	28	28	-----	-----	-----
	142	65	77	-----	-----	12	44.....	62	24	38	-----	-----	14
	105	60	45	-----	15	-----	45.....	89	56	33	-----	23	-----
	109	55	54	-----	1	-----	46.....	95	54	41	-----	13	-----
	101	47	54	-----	-----	7	47.....	90	33	27	-----	6	-----
	81	34	47	-----	-----	13	48.....	70	43	27	-----	16	-----
	75	40	35	-----	5	-----	49.....	61	40	21	-----	19	-----
	50	28	22	-----	6	-----	50.....	103	53	50	-----	3	-----
	56	26	30	-----	-----	4	51.....	60	35	25	-----	10	-----
	105	52	53	-----	-----	1	52.....	93	54	39	-----	15	-----
	78	34	44	-----	-----	10	53.....	66	37	29	-----	8	-----
	97	47	50	-----	-----	3	54.....	71	35	36	-----	-----	1
	113	40	73	-----	-----	33	55.....	84	57	27	-----	30	-----
	124	52	72	-----	-----	20	56.....	86	63	23	-----	40	-----
	125	60	65	-----	-----	5	57.....	85	46	39	-----	7	-----
	101	42	59	-----	-----	17	58.....	84	50	34	-----	16	-----
	117	54	63	-----	-----	9	59.....	81	50	31	-----	19	-----
	125	51	74	-----	-----	23	60.....	93	52	41	-----	11	-----
	115	48	67	-----	-----	19	61.....	63	36	27	-----	9	-----
	106	40	66	-----	-----	26	62.....	83	53	30	-----	23	-----
	98	44	54	-----	-----	10	63.....	86	56	30	-----	26	-----
	91	48	43	-----	5	-----	64.....	93	58	35	-----	23	-----
	111	46	65	-----	-----	19	65.....	117	67	50	-----	17	-----
	141	70	71	-----	-----	1	66.....	99	59	40	-----	19	-----
	74	32	42	-----	-----	10	67.....	88	54	34	-----	20	-----
	102	54	48	-----	6	-----	68.....	89	55	34	-----	21	-----
	61	27	34	-----	-----	7	69.....	68	42	26	-----	16	-----
	105	47	58	-----	-----	11	70.....	104	68	36	-----	32	-----
	86	42	44	-----	-----	2	71.....	80	52	28	-----	24	-----
	71	35	36	-----	-----	1	72.....	109	57	52	-----	5	-----
	93	48	45	-----	3	-----	73.....	108	63	45	-----	18	-----

EXHIBIT F.—CONTINUED.—*Deaths by Ages in Michigan in 1876.*

AGE IN YEARS.	DECEDENTS, 1876.				EXCESS.		AGE IN YEARS.	DECEDENTS, 1876.				EXCESS.	
	Total.	Males.	Fe- males.	Unk.	Males.	Fe- males.		Total.	Males.	Fe- males.	Unk.	Males.	Fe- males.
74.....	89	50	39	-----	11	-----	90.....	24	9	15	-----	-----	6
75.....	88	46	42	-----	4	-----	91.....	11	8	3	-----	5	-----
76.....	114	73	41	-----	32	-----	92.....	11	4	7	-----	-----	3
77.....	69	46	23	-----	23	-----	93.....	4	1	3	-----	-----	2
78.....	67	37	30	-----	7	-----	94.....	7	3	4	-----	-----	1
79.....	49	32	17	-----	15	-----	95.....	7	7	-----	-----	7	-----
80.....	55	33	22	-----	11	-----	96.....	7	4	3	-----	1	-----
81.....	36	21	15	-----	6	-----	97.....	4	2	2	-----	-----	-----
82.....	50	29	21	-----	8	-----	98.....	5	2	3	-----	-----	1
83.....	46	24	22	-----	2	-----	99.....	3	2	1	-----	1	-----
84.....	56	35	21	-----	14	-----	100.....	2	1	1	-----	-----	-----
85.....	37	20	17	-----	3	-----	101.....	1	-----	1	-----	-----	1
86.....	27	13	15	-----	-----	3	103.....	1	-----	1	-----	-----	1
87.....	27	12	15	-----	-----	3	104.....	4	2	2	-----	-----	-----
88.....	21	11	10	-----	1	-----	119.....	1	-----	1	-----	-----	1
89.....	10	5	5	-----	-----	-----	Unknown	244	133	94	17	39	-----

AGES OF PERSONS WHO DIED, BY MONTHS OF DEATH.

The proportion of decedents at different periods of life in the several months may be studied in Exhibit G, page 121. According to this Exhibit, the greatest proportion of decedents aged under one year, under 5 years, and aged 5 to 10 years, died in August; that is, so far as this proves, to persons under 10 years of age, the greatest danger to life is in the month of August. The particular diseases or causes of death are shown further on. To decedents between the ages of 10 and 20 years, the greatest danger is in March; between the ages of 20 and 50 years, the greatest danger is in December; and to persons aged 50 years and over, the greatest danger is in September, so far as the evidence of this exhibit is conclusive. A similar exhibit has been prepared for each year since that of 1873, and if continued for a series of years will supply valuable evidence on this important subject.

DEATHS BY AGES—MONTH OF GREATEST DANGER.

121

DEATHS BY AGES IN PERIODS OF YEARS.		MONTHS, 1876.												
		YEAR, 1876, a	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
All Ages.....		12,545	685	800	975	978	970	855	1,079	1,507	1,423	1,131	989	1,133
Under 1.....	Number.....	3,422	158	196	251	234	232	205	360	571	416	259	238	302
	Per Cent of All Ages.....	27.28	23.07	24.50	25.74	23.93	23.92	24.98	33.36	37.89	29.23	22.90	24.06	26.19
	Per Cent of Deaths, 1876.....	100.00	4.62	5.73	7.33	6.84	6.78	5.99	10.52	16.69	12.16	7.57	6.95	8.82
Under 5.....	Number.....	5,114	269	269	355	348	346	308	508	825	667	408	365	416
	Per Cent of All Ages.....	40.77	39.27	37.38	36.41	35.58	35.67	36.02	47.08	54.74	46.87	36.07	36.91	36.08
	Per Cent of Deaths, 1876.....	100.00	5.26	5.85	6.94	6.80	6.77	6.02	9.93	16.13	13.04	7.93	7.14	8.13
5 to 10.....	Number.....	629	49	46	54	42	45	50	43	64	60	59	51	66
	Per Cent of All Ages.....	5.01	7.15	5.75	5.54	4.29	4.64	5.85	3.99	4.25	4.22	5.22	5.10	5.72
	Per Cent of Deaths, 1876.....	100.00	7.79	7.31	8.59	6.36	7.15	7.95	6.84	10.17	9.54	9.38	8.11	10.49
10 to 20.....	Number.....	904	53	49	94	79	81	64	69	80	95	91	62	87
	Per Cent of All Ages.....	7.21	7.74	6.13	9.64	8.08	8.35	7.49	6.39	5.31	6.68	8.05	6.27	7.55
	Per Cent of Deaths, 1876.....	100.00	5.86	5.42	10.40	8.74	8.96	7.08	7.63	8.85	10.51	10.07	6.86	9.62
20 to 50.....	Number.....	2,647	135	188	236	238	223	221	207	297	242	237	225	258
	Per Cent of All Ages.....	21.10	19.71	23.50	24.21	21.34	22.99	23.85	19.18	15.73	17.01	20.95	22.75	22.38
	Per Cent of Deaths, 1876.....	100.00	5.10	7.10	8.92	8.99	8.42	8.35	7.82	8.95	9.14	8.95	8.50	9.75
50 and over.....	Number.....	3,019	167	211	226	249	260	201	233	272	335	308	262	297
	Per Cent of All Ages.....	24.07	24.38	26.38	23.18	25.46	26.80	23.51	21.59	18.65	23.54	27.06	26.49	25.76
	Per Cent of Deaths, 1876.....	100.00	5.53	6.99	7.43	8.25	8.61	6.66	7.72	9.01	11.10	10.13	8.68	9.84
Unknown Ages.....	Number.....	232	12	7	10	22	15	11	19	29	24	30	24	29
	Per Cent of All Ages.....	1.85	1.75	.88	1.03	2.25	1.55	1.29	1.76	1.92	1.69	2.65	2.43	2.82
	Per Cent of Deaths, 1876.....	100.00	5.17	3.02	4.31	9.48	6.47	4.74	8.19	12.50	10.34	12.93	10.34	12.50

a Deaths in unknown month excluded.

TABLE V.—*Exhibiting, by Sex and by Age in Periods of Years, the Number of Persons Returned as having Died in Michigan during the Year and in each Month of the Year 1876.*

AGES IN PERIODS OF YEARS.	SEX.	YEAR, 1876.	MONTHS, 1876.												
			Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
All Ages.....	Total.....	12,576	685	800	975	978	970	855	1079	1507	1423	1131	989	1153	31
	Males.....	6,756	392	412	515	509	519	463	598	822	757	606	541	607	15
	Females.....	5,761	292	385	456	463	449	388	480	677	664	521	439	535	12
	Unknown.....	59	1	3	4	6	2	4	1	8	2	4	9	11	4
All under 1.....	Total.....	3,426	158	196	251	234	232	205	360	571	416	259	238	302	4
	Males.....	1,935	97	109	138	125	140	113	211	307	237	155	127	175	1
	Females.....	1,450	60	84	109	105	91	88	148	259	177	103	105	119	2
	Unknown.....	41	1	3	4	4	1	4	1	5	2	1	6	8	1
All under 5.....	Total.....	5,121	269	299	355	348	346	308	508	825	667	408	365	416	7
	Males.....	2,798	161	155	183	187	200	171	291	437	359	229	190	232	3
	Females.....	2,281	107	141	168	157	145	133	216	382	306	178	169	176	3
	Unknown.....	42	1	3	4	4	1	4	1	6	2	1	6	8	1
5 to 10.....	Total.....	630	49	46	54	42	45	50	43	64	60	59	51	66	1
	Males.....	332	24	19	33	21	24	28	26	44	24	29	25	34	1
	Females.....	298	25	27	21	21	21	22	17	20	36	30	26	32	....
10 to 15.....	Total.....	367	22	24	36	27	31	20	26	32	43	41	27	38	....
	Males.....	180	16	11	19	12	15	4	14	14	26	22	12	15	....
	Females.....	187	6	13	17	15	16	16	12	18	17	19	15	23	....
15 to 20.....	Total.....	537	31	25	58	52	50	44	43	48	52	50	35	49	....
	Males.....	233	19	17	27	23	17	25	15	18	17	21	13	21	....
	Females.....	304	12	8	31	29	33	19	28	30	35	29	22	28	....
20 to 25.....	Total.....	564	30	38	47	45	48	54	44	51	52	54	47	54	....
	Males.....	235	16	17	18	18	24	22	19	25	15	16	25	20	....
	Females.....	329	14	21	29	27	24	32	25	26	37	38	22	34	....
25 to 30.....	Total.....	515	28	37	46	52	43	31	45	54	48	47	42	42	....
	Males.....	240	11	17	24	21	20	12	18	28	23	23	25	18	....
	Females.....	275	17	20	22	31	23	19	27	26	25	24	17	24	....
30 to 35.....	Total.....	425	22	25	41	37	38	42	32	25	42	35	42	42	2
	Males.....	205	11	7	15	15	15	25	13	13	22	17	26	25	1
	Females.....	220	11	18	26	22	23	17	19	12	20	18	16	17	1
35 to 40.....	Total.....	423	13	42	31	43	38	30	34	33	40	36	38	45	....
	Males.....	208	6	21	17	15	22	17	18	12	19	17	16	28	....
	Females.....	215	7	21	14	28	16	13	16	21	21	19	22	17	....
40 to 45.....	Total.....	349	23	23	31	25	25	28	26	36	30	34	30	36	2
	Males.....	183	13	11	16	15	10	11	17	19	15	20	18	16	2
	Females.....	166	10	12	15	10	15	17	9	17	15	14	12	20	....

DEATHS BY PERIODS OF AGE, BY SEX, BY MONTHS.

123

BLE V.—CONTINUED.—Deaths by Periods of Age, by Sex, by Months.

AGES PERIODS YEARS.	SEX.	YEAR, 1876.	MONTHS, 1876.												
			Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
50.....	Total.....	375	19	23	40	36	31	36	26	38	30	31	26	39	---
	Males.....	226	10	15	27	23	17	21	17	24	17	22	14	19	---
	Females.....	149	9	8	13	13	14	15	9	14	13	9	12	20	---
55.....	Total.....	393	20	20	32	38	41	20	30	44	37	40	38	31	2
	Males.....	214	12	11	14	23	16	12	16	26	20	21	28	14	1
	Females.....	179	8	9	18	15	25	8	14	18	17	19	10	17	1
60.....	Total.....	420	23	38	45	27	31	21	32	32	42	43	38	47	1
	Males.....	266	13	24	20	19	20	16	21	24	25	30	25	28	1
	Females.....	154	10	14	25	8	11	5	11	8	17	13	13	19	---
65.....	Total.....	418	26	26	30	36	30	35	34	41	47	31	43	39	---
	Males.....	255	15	17	19	21	16	23	20	26	31	19	27	21	---
	Females.....	163	11	9	11	15	14	12	14	15	16	12	16	18	---
70.....	Total.....	461	31	21	33	40	39	30	42	41	43	53	41	47	---
	Males.....	277	22	8	19	21	26	19	23	28	26	23	23	29	---
	Females.....	184	9	13	14	19	13	11	14	13	17	25	18	18	---
75.....	Total.....	490	24	32	29	53	47	36	36	42	64	46	36	45	---
	Males.....	290	15	16	17	31	25	18	22	25	43	26	24	23	---
	Females.....	200	9	16	12	22	22	18	14	17	16	20	12	22	---
80.....	Total.....	387	17	29	32	33	34	30	26	35	40	39	29	41	2
	Males.....	234	10	19	19	21	22	16	15	25	29	19	15	23	1
	Females.....	153	7	10	13	12	12	14	11	10	11	20	14	18	1
85.....	Total.....	243	15	27	13	12	22	19	19	23	33	31	14	13	2
	Males.....	142	9	16	11	7	11	14	11	11	14	21	8	8	1
	Females.....	101	6	11	2	5	11	5	8	12	19	10	6	5	1
90.....	Total.....	122	5	13	9	7	10	2	9	11	15	14	13	14	---
	Males.....	60	---	6	6	4	7	---	6	6	6	6	5	8	---
	Females.....	62	5	7	3	3	3	2	3	5	9	8	8	6	---
95.....	Total.....	57	2	4	1	2	5	3	3	2	11	5	5	14	---
	Males.....	25	---	---	1	1	3	2	1	1	4	3	3	6	---
	Females.....	32	2	4	---	1	2	1	2	1	7	2	2	8	---
100.....	Total.....	26	2	1	2	1	1	4	2	1	2	4	2	4	---
	Males.....	17	1	---	2	---	---	3	1	1	2	3	1	3	---
	Females.....	9	1	1	---	1	1	1	1	---	---	1	1	1	---
and over.....	Total.....	9	2	---	---	---	---	1	---	---	1	---	3	2	---
	Males.....	3	---	---	---	---	---	1	---	---	---	---	1	1	---
	Females.....	6	2	---	---	---	---	---	---	---	1	---	2	1	---
known.....	Total.....	244	12	7	10	22	15	11	19	29	24	30	24	29	12
	Males.....	133	8	5	8	11	9	3	9	15	15	14	17	15	4
	Females.....	94	4	2	2	9	5	8	10	12	9	13	4	11	5
	Unknown.....	17	---	---	---	2	1	---	---	2	---	3	3	3	3

TABLE VI.—*Exhibiting, by Sex and by Months, the Number Returned as having Died in Michigan during the Year 1876 at each Age and every Age, the Age stated in Twelfths of a Year for those under One Year, and in Years for those over One Year of Age.*

AGES IN YEARS.		SEX.	YEAR, 1876.	MONTHS, 1876.												
				Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Under 1-12	Total.....		1,474	89	87	129	132	117	101	125	160	134	116	124	159	1
	Males.....		827	53	44	66	76	70	57	76	90	71	76	66	82	.....
	Females..		612	35	40	60	52	46	40	48	66	61	39	53	71	1
	Unknown		35	1	3	3	4	1	4	1	4	2	1	5	6	.....
1-12	Total.....		287	14	19	17	16	25	11	27	45	35	27	22	29	.....
	Males.....		193	10	14	11	12	17	7	16	34	25	13	12	22	.....
	Females..		92	4	5	6	4	8	4	11	11	10	14	9	6	.....
	Unknown		2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....
2-12	Total.....		243	6	21	13	15	13	14	31	33	33	15	22	27	.....
	Males.....		136	5	13	8	4	8	8	21	18	17	8	14	12	.....
	Females..		107	1	8	5	11	5	6	10	15	16	7	8	15	.....
	Unknown		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3-12	Total.....		237	6	13	15	11	18	15	26	52	34	14	17	15	1
	Males.....		129	3	7	6	3	11	9	14	25	23	11	6	11	.....
	Females..		105	3	6	8	8	7	6	12	27	11	3	11	3	.....
	Unknown		3	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	1
4-12	Total.....		186	6	9	9	10	5	13	20	39	41	17	3	14	.....
	Males.....		101	3	4	5	2	2	8	12	21	24	8	2	10	.....
	Females..		85	3	5	4	8	3	5	8	18	17	9	1	4	.....
	Unknown		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5-12	Total.....		191	6	6	15	11	14	6	22	39	37	16	8	11	.....
	Males.....		97	3	6	6	5	8	4	10	19	19	7	3	7	.....
	Females..		94	3	.....	9	6	6	2	12	20	18	9	5	4	.....
	Unknown		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6-12	Total.....		162	12	13	7	8	8	9	19	40	21	8	9	8	.....
	Males.....		92	8	7	4	8	7	2	12	16	9	6	6	7	.....
	Females..		69	4	6	3	.....	1	7	7	23	12	2	3	1	.....
	Unknown		1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
7-12	Total.....		136	6	2	13	6	4	4	20	36	15	11	10	9	.....
	Males.....		79	5	1	10	4	2	2	11	20	9	6	4	5	.....
	Females..		57	1	1	3	2	2	2	9	16	6	5	6	4	.....
	Unknown		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
8-12	Total.....		143	5	9	3	9	4	9	17	36	25	9	6	10	1
	Males.....		72	3	4	1	2	1	4	9	23	12	5	2	5	1
	Females..		71	2	5	2	7	3	5	8	13	13	4	4	5	.....
	Unknown		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
9-12	Total.....		135	3	10	9	4	7	11	24	25	13	10	8	11	.....
	Males.....		74	1	4	8	2	4	5	13	12	9	2	6	8	.....
	Females..		61	2	6	1	2	3	6	11	13	4	8	2	3	.....
	Unknown		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

^a Still-births included. See Table of Specified Causes of Deaths.

DEATHS—BY AGES, BY SEX, BY MONTHS.

125

TABLE VI.—CONTINUED.—Deaths by Ages, by Sex, by Months, 1876.

AGES IN YEARS.	SEX.	Year, 1876.	MONTHS, 1876.												Unk.
			Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
10-12	Total.....	117	3	4	8	7	9	6	15	33	13	10	4	4	1
	Males.....	71	2	3	5	4	7	4	8	15	10	8	2	3	-----
	Females..	46	1	1	3	3	2	2	7	18	3	2	2	1	1
11-12	Total.....	115	2	3	13	5	8	6	14	33	15	6	5	5	-----
	Males.....	64	1	2	8	3	3	3	9	14	9	5	4	3	-----
	Females..	51	1	1	5	2	5	3	5	19	6	1	1	2	-----
1	Total.....	842	50	50	37	55	50	47	73	156	164	62	49	48	1
	Males.....	441	30	23	18	33	28	26	40	84	81	27	26	24	1
	Females..	401	20	27	19	22	22	21	33	72	83	35	23	24	-----
2	Total.....	372	22	28	31	25	19	17	38	51	40	39	34	27	1
	Males.....	182	12	12	15	11	9	9	19	25	17	22	15	16	-----
	Females..	190	10	16	16	14	10	8	19	26	23	17	19	11	1
3	Total.....	277	24	14	15	20	24	25	25	27	28	26	24	24	1
	Males.....	142	13	6	3	12	12	13	14	12	15	17	12	12	1
	Females..	134	11	8	12	8	12	12	11	14	13	9	12	12	-----
	Unknown	1	-----	-----	-----	-----	-----	-----	-----	1	-----	-----	-----	-----	-----
4	Total.....	204	15	11	21	14	21	14	12	20	19	22	20	15	-----
	Males.....	98	9	5	9	6	11	10	7	9	9	8	10	5	-----
	Females..	106	6	6	12	8	10	4	5	11	10	14	10	10	-----
5	Total.....	173	10	14	11	10	9	18	11	20	17	20	18	15	-----
	Males.....	105	5	6	8	7	6	11	6	17	8	13	11	7	-----
	Females..	68	5	8	3	3	3	7	5	3	9	7	7	8	-----
6	Total.....	142	8	13	11	10	8	10	9	17	16	14	8	18	-----
	Males.....	65	5	4	8	6	3	6	4	9	4	7	1	8	-----
	Females..	77	3	9	3	4	5	4	5	8	12	7	7	10	-----
7	Total.....	105	8	5	15	6	4	9	10	6	13	6	8	15	-----
	Males.....	60	3	2	10	3	2	8	6	4	7	2	6	7	-----
	Females..	45	5	3	5	3	2	1	4	2	6	4	2	8	-----
8	Total.....	109	8	9	8	9	11	8	9	11	8	11	11	6	-----
	Males.....	55	2	6	2	2	8	2	8	9	3	5	5	3	-----
	Females..	54	6	3	6	7	3	6	1	2	5	6	6	3	-----
9	Total.....	101	15	5	9	7	13	5	4	10	6	8	6	12	1
	Males.....	47	9	1	5	3	5	1	2	5	2	2	2	9	1
	Females..	54	6	4	4	4	8	4	2	5	4	6	4	3	-----
10	Total.....	81	2	4	8	6	4	6	6	8	11	6	6	14	-----
	Males.....	34	1	-----	5	3	4	-----	4	4	8	1	2	2	-----
	Females..	47	1	4	3	3	-----	6	2	4	3	5	4	12	-----

TABLE VI.—CONTINUED.—Deaths by Ages, by Sex, by Months, 1876.

AGES IN YEARS.	SEX.	YEAR, 1876.	MONTHS, 1876.												
			Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
11.....	Total.....	75	7	9	10	6	5	4	4	6	5	4	3	7	.....
	Males.....	40	4	5	6	2	3	1	2	4	3	1	5	4	.....
	Females..	35	3	4	4	4	2	3	2	2	2	3	3	3	.....
12.....	Total.....	50	4	3	7	2	5	1	2	6	5	10	5	.....	.....
	Males.....	28	4	3	2	1	3	1	1	2	3	6	2	.....	.....
	Females..	22	.....	.....	5	1	2	.....	1	4	2	4	3	.....	.....
13.....	Total.....	58	5	4	3	3	6	7	5	2	8	7	2	4	.....
	Males.....	26	4	1	2	3	2	2	2	.....	4	3	2	1	.....
	Females..	30	1	3	1	.....	4	5	3	2	4	4	.....	3	.....
14.....	Total.....	105	4	4	8	10	11	2	9	10	14	14	6	13	.....
	Males.....	52	3	2	4	3	3	.....	5	4	8	11	1	8	.....
	Females..	53	1	2	4	7	8	2	4	6	6	3	5	5	.....
15.....	Total.....	78	2	2	13	5	9	8	10	12	3	6	5	3	.....
	Males.....	34	1	.....	6	2	4	4	6	5	1	2	2	1	.....
	Females..	44	1	2	7	3	5	4	4	7	2	4	3	2	.....
16.....	Total.....	97	5	2	12	8	11	10	9	4	11	9	4	12	.....
	Males.....	47	4	1	5	3	3	5	3	1	7	5	2	8	.....
	Females..	50	1	1	7	5	8	5	6	3	4	4	2	4	.....
17.....	Total.....	113	8	7	14	10	8	7	11	10	14	9	7	8	.....
	Males.....	40	5	4	6	4	3	4	2	5	2	.....	2	3	.....
	Females..	73	3	3	8	6	5	3	9	5	12	9	5	5	.....
18.....	Total.....	124	10	7	7	16	14	9	4	12	13	11	12	9	.....
	Males.....	52	6	7	4	5	4	5	1	4	3	7	3	3	.....
	Females..	72	4	.....	3	11	10	4	3	8	10	4	9	6	.....
19.....	Total.....	125	6	7	12	13	8	10	9	10	11	15	7	17	.....
	Males.....	60	3	5	6	9	3	7	3	3	4	7	4	6	.....
	Females..	65	3	2	6	4	5	3	6	7	7	8	3	11	.....
20.....	Total.....	101	7	6	13	5	9	9	7	11	9	10	8	7	.....
	Males.....	42	2	3	7	2	4	5	4	5	1	3	5	1	.....
	Females..	59	5	3	6	3	5	4	3	6	8	7	3	6	.....
21.....	Total.....	117	6	9	6	9	14	14	6	6	12	9	13	13	.....
	Males.....	54	5	3	2	2	7	8	5	3	4	4	4	7	.....
	Females..	63	1	6	4	7	7	6	1	3	8	5	9	6	.....
22.....	Total.....	125	5	8	10	12	15	10	12	13	11	13	7	9	.....
	Males.....	51	1	4	3	5	9	3	4	7	2	3	5	5	.....
	Females..	74	4	4	7	7	6	7	8	6	9	10	2	4	.....
23.....	Total.....	115	7	7	8	13	4	11	11	10	14	11	11	8	.....
	Males.....	48	3	4	2	7	1	3	4	5	6	3	7	3	.....
	Females..	67	4	3	6	6	3	8	7	5	8	8	4	5	.....

DEATHS—BY AGES, BY SEX, BY MONTHS.

127

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months, 1876.*

AGES IN YEARS.	SEX.	Year, 1876.	MONTHS, 1876.												
			Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
24.....	Total.....	106	5	8	10	6	6	10	8	11	6	11	8	17	.....
	Males.....	40	5	3	4	2	3	3	2	5	2	3	4	4	.....
	Females..	66	.....	5	6	4	3	7	6	6	4	8	4	13	.....
25.....	Total.....	98	3	10	13	9	8	7	7	11	7	6	10	7	.....
	Males.....	44	2	5	7	1	5	3	1	4	4	5	5	2	.....
	Females..	54	1	5	6	8	3	4	6	7	3	1	5	5	.....
26.....	Total.....	91	4	5	9	9	7	6	7	7	10	9	8	10	.....
	Males.....	48	1	3	5	4	4	3	2	3	5	6	7	5	.....
	Females..	43	3	2	4	5	3	3	5	4	5	3	1	5	.....
27.....	Total.....	111	6	7	8	12	12	6	8	10	10	16	8	8	.....
	Males.....	46	4	2	2	4	4	4	3	4	6	4	5	4	.....
	Females..	65	2	5	6	8	8	2	5	6	4	12	3	4	.....
28.....	Total.....	141	9	12	12	15	11	9	14	14	15	8	11	11	.....
	Males.....	70	3	6	8	8	7	1	9	8	6	4	6	4	.....
	Females..	71	6	6	4	7	4	8	5	6	9	4	5	7	.....
29.....	Total.....	74	6	3	4	7	5	3	9	12	6	8	5	6	.....
	Males.....	32	1	1	2	4	.....	1	3	9	2	4	2	3	.....
	Females..	42	5	2	2	3	5	2	6	3	4	4	3	3	.....
30.....	Total.....	102	3	5	9	9	9	13	4	7	14	10	11	8	.....
	Males.....	54	2	1	.....	6	4	10	2	4	7	6	5	7	.....
	Females..	48	1	4	9	3	5	3	2	3	7	4	6	1	.....
31.....	Total.....	61	4	6	4	8	6	4	5	2	5	4	7	5	1
	Males.....	27	1	2	1	5	3	2	2	1	1	2	4	3	.....
	Females..	34	3	4	3	3	3	2	3	1	4	2	3	2	1
32.....	Total.....	105	5	5	13	11	8	12	14	2	5	8	10	11	1
	Males.....	47	2	1	5	3	3	6	5	1	3	4	8	5	1
	Females..	58	3	4	8	8	5	6	9	1	2	4	2	6	.....
33.....	Total.....	86	5	5	10	4	6	7	6	7	12	5	6	13	.....
	Males.....	42	4	1	5	.....	2	3	3	5	7	2	3	7	.....
	Females..	44	1	4	5	4	4	4	3	2	5	3	3	6	.....
34.....	Total.....	71	5	4	5	5	9	6	3	7	6	8	8	5	.....
	Males.....	35	2	2	4	1	3	4	1	2	4	3	6	3	.....
	Females..	36	3	2	1	4	6	2	2	5	2	5	2	2	.....
35.....	Total.....	93	3	14	5	7	12	6	10	3	11	6	7	9	.....
	Males.....	48	1	7	3	1	8	6	3	1	4	3	4	7	.....
	Females..	45	2	7	2	6	4	.....	7	2	7	3	3	2	.....
36.....	Total.....	102	6	6	10	9	5	10	3	7	9	10	13	14	.....
	Males.....	47	3	3	6	3	2	5	1	2	7	4	3	8	.....
	Females..	55	3	3	4	6	3	5	2	5	2	6	10	6	.....

TABLE VI.—CONTINUED.—Deaths by Ages, by Sex, by Months, 1876.

AGES IN YEARS.	SEX.	YEAR, 1876.	MONTHS, 1876.												Unk.
			Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
37	Total.....	71	1	4	6	8	7	3	9	8	6	7	6	6	—
	Males.....	29	—	1	1	2	5	1	3	3	3	3	3	4	—
	Females..	42	1	3	5	6	2	2	6	5	3	4	3	2	—
38	Total.....	77	2	9	5	12	8	4	8	5	6	6	7	5	—
	Males.....	47	2	5	4	7	5	1	7	2	3	4	4	3	—
	Females..	30	—	4	1	5	3	3	1	3	3	2	3	2	—
39	Total.....	80	1	9	5	7	6	7	4	10	8	7	5	11	—
	Males.....	37	—	5	3	2	2	4	4	4	2	3	2	6	—
	Females..	43	1	4	2	5	4	3	—	6	6	4	3	5	—
40	Total.....	100	8	6	6	7	9	9	8	9	7	11	10	10	—
	Males.....	52	5	3	2	4	3	5	6	5	2	5	7	5	—
	Females..	48	3	3	4	3	6	4	2	4	5	6	3	5	—
41	Total.....	48	1	3	5	4	2	2	2	5	6	5	3	9	1
	Males.....	30	1	2	3	3	1	1	2	4	3	4	2	3	1
	Females..	18	—	1	2	1	1	1	—	1	3	1	1	6	—
42	Total.....	83	4	8	7	6	7	7	5	11	6	8	7	6	1
	Males.....	49	3	5	4	5	2	3	4	6	3	6	4	3	1
	Females..	34	1	3	3	1	5	4	1	5	3	2	3	3	—
43	Total.....	56	4	3	7	1	5	4	4	4	7	5	6	6	—
	Males.....	28	3	—	3	—	3	1	2	2	6	2	3	3	—
	Females..	28	1	3	4	1	2	3	2	2	1	3	3	3	—
44	Total.....	62	6	3	6	7	2	6	7	7	4	5	4	5	—
	Males.....	24	1	1	4	3	1	1	3	2	1	3	2	2	—
	Females..	38	5	2	2	4	1	5	4	5	3	2	2	3	—
45	Total.....	89	5	5	13	7	8	5	6	10	6	6	6	12	—
	Males.....	50	2	4	8	5	4	5	6	5	3	4	3	7	—
	Females..	33	3	1	5	2	4	—	—	5	3	2	3	5	—
46	Total.....	95	4	9	8	8	9	11	9	10	10	8	4	5	—
	Males.....	54	1	6	5	5	5	5	4	5	5	7	4	2	—
	Females..	41	3	3	3	3	4	6	5	5	5	1	—	3	—
47	Total.....	60	2	5	7	6	6	6	4	6	3	5	7	3	—
	Males.....	33	1	2	4	5	3	3	—	5	3	2	4	1	—
	Females..	27	1	3	3	1	3	3	4	1	—	3	3	2	—
48	Total.....	70	6	4	6	6	5	5	3	7	6	6	6	10	—
	Males.....	43	4	3	5	1	4	3	3	6	2	4	3	5	—
	Females..	27	2	1	1	5	1	2	—	1	4	2	3	5	—
49	Total.....	61	2	—	6	9	3	9	4	5	5	6	3	9	—
	Males.....	40	2	—	5	7	1	5	4	3	4	5	—	4	—
	Females..	21	—	—	1	2	2	4	—	2	1	1	3	5	—

DEATHS—BY AGES, BY SEX, BY MONTHS.

129

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months, 1876.*

AGES IN YEARS.	SEX.	YEAR, 1876.	MONTHS, 1876.												
			Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Total.....		103	8	4	7	11	8	6	5	11	9	9	12	12	1
Males.....		53	6	1	2	7	2	2	3	8	5	3	9	4	1
Females..		50	2	3	5	4	6	4	2	3	4	6	3	8	.....
Total.....		60	5	1	3	9	9	5	4	6	8	4	4	2	.....
Males.....		35	2	1	.....	5	5	3	1	5	5	3	4	1	.....
Females..		25	3	.....	3	4	4	2	3	1	3	1	.....	1	.....
Total.....		93	3	6	8	9	16	6	6	6	8	7	11	6	1
Males.....		54	1	4	6	6	7	4	4	1	5	4	9	3	.....
Females..		39	2	2	2	3	9	2	2	5	3	3	2	3	1
Total.....		66	2	2	4	5	5	9	11	13	2	6	7	7	.....
Males.....		37	2	2	2	4	1	2	5	8	.....	4	4	3	.....
Females..		29	.....	.....	2	1	4	.....	6	5	2	2	3	4	.....
Total.....		71	2	7	10	4	3	1	4	8	10	14	4	4	.....
Males.....		35	1	3	4	1	1	1	3	4	5	7	2	3	.....
Females..		36	1	4	6	3	2	.....	1	4	5	7	2	1	.....
Total.....		84	3	5	6	5	8	4	11	6	9	9	10	8	.....
Males.....		57	2	2	4	3	7	4	7	3	6	5	8	6	.....
Females..		27	1	3	2	2	1	.....	4	3	3	4	2	2	.....
Total.....		86	3	6	6	7	8	9	8	3	10	10	8	7	1
Males.....		63	3	5	1	5	5	8	7	3	4	9	6	6	1
Females..		23	.....	1	5	2	3	1	1	.....	6	1	2	1	.....
Total.....		85	6	7	14	7	6	2	3	6	4	10	9	11	.....
Males.....		46	3	5	5	5	3	1	1	6	3	5	3	6	.....
Females..		39	3	2	9	2	3	1	2	.....	1	5	6	5	.....
Total.....		84	1	10	8	5	6	3	6	8	8	12	6	11	.....
Males.....		50	.....	6	1	5	4	1	4	5	4	10	4	6	.....
Females..		34	1	4	7	.....	2	2	2	3	4	2	2	5	.....
Total.....		81	10	10	11	3	3	3	4	9	11	2	5	10	.....
Males.....		50	5	6	9	1	1	2	2	7	8	1	4	4	.....
Females..		31	5	4	2	2	2	1	2	2	3	1	1	6	.....
Total.....		93	5	4	4	10	9	5	8	10	11	6	9	12	.....
Males.....		52	4	2	2	6	5	3	5	6	5	3	5	6	.....
Females..		41	1	2	2	4	4	2	3	4	6	3	4	6	.....
Total.....		63	3	3	2	5	4	12	6	5	9	6	2	6	.....
Males.....		36	2	3	1	1	2	8	2	4	6	4	1	2	.....
Females..		27	1	.....	1	4	2	4	4	1	3	2	1	4	.....
Total.....		83	7	6	11	7	3	6	5	9	8	5	9	7	.....
Males.....		53	5	4	7	4	1	5	2	4	5	5	7	4	.....
Females..		30	2	2	4	3	2	1	3	5	3	.....	2	3	.....

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months, 1876.*

AGES IN YEARS.	SEX.	YEAR, 1876.	MONTHS, 1876.											
			Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec. Unk.
63.....	Total.....	86	6	7	8	5	7	2	8	7	11	7	11	7
	Males.....	56	2	3	6	4	4	-----	8	5	9	3	9	3
	Females..	30	4	4	2	1	3	2	-----	2	2	4	2	4
64.....	Total.....	93	5	6	5	9	7	10	7	10	8	7	12	7
	Males.....	58	2	5	3	6	4	7	3	7	6	4	5	6
	Females..	35	3	1	2	3	3	3	4	3	2	3	7	1
65.....	Total.....	117	9	8	10	5	14	9	9	9	10	13	11	10
	Males.....	67	6	5	6	2	9	5	5	5	6	5	9	4
	Females..	50	3	3	4	3	5	4	4	4	4	8	2	6
66.....	Total.....	99	3	2	8	11	7	6	15	11	6	10	6	14
	Males.....	59	3	1	4	5	3	5	10	7	3	5	4	9
	Females..	40	-----	1	4	6	4	1	5	4	3	5	2	5
67.....	Total.....	88	9	4	6	9	5	2	11	9	11	10	7	5
	Males.....	54	8	1	3	5	3	1	8	7	8	3	3	4
	Females..	34	1	3	3	4	2	1	3	2	3	7	4	1
68.....	Total.....	89	4	6	5	10	7	8	3	6	8	12	9	11
	Males.....	55	2	1	2	5	7	6	3	4	4	11	3	7
	Females..	34	2	5	3	5	-----	2	-----	2	4	1	6	4
69.....	Total.....	68	0	1	4	5	6	5	4	6	8	8	8	7
	Males.....	42	3	-----	4	4	4	2	2	5	5	4	4	5
	Females..	26	3	1	-----	1	2	3	2	1	3	4	4	2
70.....	Total.....	104	5	9	4	8	14	6	10	9	11	8	11	9
	Males.....	68	2	6	3	5	7	3	8	7	9	6	5	7
	Females..	36	3	3	1	3	7	3	2	2	2	2	6	2
71.....	Total.....	80	5	7	5	4	12	7	3	9	8	12	3	5
	Males.....	52	4	3	3	3	8	5	2	4	7	7	3	3
	Females..	28	1	4	2	1	4	2	1	5	1	5	-----	2
72.....	Total.....	109	6	6	9	17	5	3	6	12	16	10	6	13
	Males.....	57	4	4	5	6	2	2	5	6	10	3	4	6
	Females..	52	2	2	4	11	3	1	1	6	6	7	2	7
73.....	Total.....	108	3	5	7	12	10	11	12	6	14	8	9	11
	Males.....	63	3	1	5	9	6	5	4	3	10	4	8	5
	Females..	45	-----	4	2	3	4	6	8	3	4	4	1	6
74.....	Total.....	89	5	5	4	12	6	9	5	6	15	8	7	7
	Males.....	50	2	2	1	8	2	3	3	5	12	6	4	2
	Females..	39	3	3	3	4	4	6	2	1	3	2	3	5

DEATHS—BY AGES, BY SEX, BY MONTHS.

131

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months, 1876.*

AGES IN YEARS.	SEX.	YEAR, 1876.	MONTHS, 1876.												
			Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
75	Total.....	88	5	8	5	8	10	4	6	7	14	11	4	6	-----
	Males.....	46	2	4	2	3	7	1	4	4	10	5	2	2	-----
	Females..	42	3	4	3	5	3	3	2	3	4	6	2	4	-----
76	Total.....	114	6	4	8	10	8	10	8	12	9	12	9	17	-----
	Males.....	73	4	4	6	6	6	6	3	7	8	6	6	10	-----
	Females..	41	2	-----	2	4	2	4	5	5	1	6	3	7	-----
77	Total.....	69	4	9	11	4	5	3	4	5	7	8	7	2	-----
	Males.....	46	3	6	8	3	3	3	3	4	5	4	3	1	-----
	Females..	23	1	3	3	1	2	-----	1	1	2	4	4	1	-----
78	Total.....	67	2	5	3	8	8	5	5	7	5	6	4	9	-----
	Males.....	37	1	2	1	6	4	2	3	7	3	2	2	4	-----
	Females..	30	1	3	2	2	4	3	2	-----	2	4	2	5	-----
79	Total.....	49	-----	3	5	3	3	8	3	4	5	2	5	7	-----
	Males.....	32	-----	3	2	3	2	4	2	3	3	2	2	6	-----
	Females..	17	-----	-----	3	-----	1	4	1	1	2	-----	3	1	-----
80	Total.....	55	6	5	5	3	3	3	4	4	9	6	3	4	-----
	Males.....	33	4	4	5	1	2	3	2	2	3	4	2	1	-----
	Females..	22	2	1	-----	2	1	-----	2	2	6	2	1	3	-----
81	Total.....	36	-----	6	2	-----	2	3	4	3	5	5	4	2	-----
	Males.....	21	-----	4	2	-----	2	1	3	2	-----	3	2	2	-----
	Females..	15	-----	2	-----	-----	-----	2	1	1	5	2	2	-----	-----
82	Total.....	50	4	7	-----	1	4	3	6	4	5	9	4	1	-----
	Males.....	29	3	6	-----	-----	2	3	2	2	2	4	3	1	-----
	Females..	21	1	1	-----	1	2	-----	4	2	3	5	1	-----	-----
83	Total.....	46	1	8	2	2	6	2	4	9	5	4	-----	3	-----
	Males.....	24	-----	1	1	2	3	2	3	5	2	3	-----	2	-----
	Females..	22	1	7	1	-----	3	-----	1	4	3	1	-----	1	-----
84	Total.....	56	4	1	4	6	7	8	1	3	9	7	3	3	-----
	Males.....	35	2	1	3	4	2	5	1	-----	7	7	1	2	-----
	Females..	21	2	-----	1	2	5	3	-----	3	2	-----	2	1	-----
85	Total.....	37	2	5	6	-----	2	-----	4	6	4	3	2	3	-----
	Males.....	20	-----	1	4	-----	2	-----	4	2	2	2	1	2	-----
	Females..	17	2	4	2	-----	-----	-----	-----	4	2	1	1	1	-----
86	Total.....	27	1	3	-----	-----	4	1	1	-----	5	4	4	4	-----
	Males.....	12	-----	1	-----	-----	2	-----	1	-----	2	3	1	2	-----
	Females..	15	1	2	-----	-----	2	1	-----	-----	3	1	3	2	-----
87	Total.....	27	-----	3	-----	3	1	1	1	3	5	5	2	3	-----
	Males.....	12	-----	2	-----	2	1	-----	-----	2	2	1	1	1	-----
	Females..	15	-----	1	-----	1	-----	1	1	1	3	4	1	2	-----

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months, 1876.*

[illegible]

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months, 1876.*

AGES IN YEARS.	SEX.	YEAR, 1876.	MONTHS, 1876.											
			Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec. Unk.
103.....	Females..	1	1											
	Total.....	4						1			1		2	
104.....	Males.....	2						1					1	
	Females..	2									1		1	
119.....	Females..	1											1	
	Total.....	244	12	7	10	22	15	11	19	29	24	30	24	29 12
Unknown	Males.....	133	8	5	8	11	9	3	9	15	15	14	17	15 4
	Females..	94	4	2	2	9	5	8	10	12	9	13	4	11 5
	Unknown	17				2	1			2		3	3	3 3

INFANT MORTALITY.

Exhibit 2 contains data concerning the still-born children returned for the years 1868–1876. The largest number of still-births were returned for 1876. Only the years 1874, 1875, and 1876 are comparable because in the years preceding 1874 the returns of births and of deaths were not compared as they were in 1874, 1875, and 1876, for the purpose of correcting the returns of still-births. This comparison and correction greatly increased the number of still-births returned, as is suggested by an examination of the exhibit, which shows such a large increase in 1874, 1875, and 1876 over previous years. In 1876 the still-births were 5.14 per cent of the total number of deaths. Further data on this subject of infant mortality can be found in Exhibits F and G, and in Tables IV., V., and VI., on preceding pages, and in Exhibits 2, 3, 4, and 5, and Table VIII., following this.

EXHIBIT 2.—*The Relation of Still-births to All Deaths Returned as having Occurred in Michigan during the several Years 1868 to 1876, inclusive, according to the Returns of Deaths. (Still-births for 1874, 1875, and 1876, corrected by means of the Returns of Births.)*

	TOTAL DEATHS AND STILL-BIRTHS.								
	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.
All Deaths.....	6,326	9,145	10,766	9,728	13,371	14,258	12,500	11,990	12,576
Number of Still-births..	• 46	• 129	• 226	• 268	• 204	• 274	464	629	646
Per Cent of Still-births to All Deaths.....	.73	1.41	2.10	2.75	1.53	1.92	3.71	5.25	5.14

• Compiled from returns of deaths only.

TABLE VIII.—Exhibiting, by Sex, the Number of Children under One Year of Age Returned as having Died in Michigan during the Year 1876; Distinguishing the Months in which they Died, their Age in Months at Death, the Months in which they were Born, and whether Born in the Year of Death or in the Previous Year.*

Months in which Births and Deaths Occurred.	NUMBER BORN IN EACH MONTH OF YEAR OF DEATH.												NUMBER OF CHILDREN THAT DIED AT EACH AGE IN MONTHS.												Number Born in each Month of Year Previ- ous to Year of Death.			DEATHS BY MONTHS.			
	Year.	Total.	Sex.	No. of each Sex.	-1.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	Total.	Sex.	OF THOSE BORN IN YEAR OF DEATH.		OF THOSE BORN IN PREVIOUS YEAR.		ALL AGED UN- DER ONE YEAR.								
																			Sex.	Total.	Sex.	Total.	Sex.	Total.							
January.....	241	Males... Females...	135 106	53 35	10 4	5 1	3 3	3 3	8 4	5 1	3 2	1 1	2 1	1	135 106		53 35	88	44 25	69	97 60	157	157	97 60	157	97 60	157				
February....	244	Males... Females...	127 117	44 40	14 5	13 8	7 6	4 5	6 5	7 1	4 5	4 6	3 1	2 1	127 117		58 45	103	51 39	90	109 84	193	193	109 84	193	109 84	193				
March.....	278	Males... Females...	151 127	66 69	11 6	8 5	6 8	5 4	6 9	4 3	10 3	1 2	5 5	8 2	151 127		85 71	156	53 38	91	138 109	247	247	138 109	247	138 109	247				
April.....	297	Males... Females...	170 127	76 52	12 4	4 11	3 8	2 8	5 6	2 2	4 7	2 3	2 3	2 8	170 127		95 75	170	30 30	60	125 105	230	230	125 105	230	125 105	230				
May.....	235	Males... Females...	165 120	70 46	17 8	8 5	11 7	9 3	8 6	7 1	2 3	4 2	7 5	3 13	165 120		108 69	177	32 22	54	140 91	231	231	140 91	231	140 91	231				
June.....	224	Males... Females...	132 92	57 40	7 4	8 6	9 5	8 2	4 2	2 2	4 5	4 3	3 2	3 15	132 92		93 63	156	20 25	45	113 88	201	201	113 88	201	113 88	201				
July.....	230	Males... Females...	147 83	76 48	16 11	14 10	12 8	12 7	10 12	12 9	11 8	9 7	8 5	14	147 83		161 108	269	50 40	90	211 148	359	359	211 148	359	211 148	359				
August.....	227	Males... Females...	139 98	90 66	18 11	25 15	21 27	19 23	16 20	20 13	23 13	15 18	14 19	39	139 98		243 196	439	64 63	127	307 259	566	566	307 259	566	307 259	566				
September..	195	Males... Females...	109 86	71 61	25 10	17 16	23 11	19 13	9 12	9 6	13 4	9 3	9 6	43	109 86		209 164	373	98 13	41	237 177	414	414	237 177	414	237 177	414				
October.....	163	Males... Females...	100 63	76 39	13 14	8 7	11 9	8 9	6 2	6 5	5 4	8 2	5 1	53	100 63		142 100	242	13 3	16	155 103	258	258	155 103	258	155 103	258				
November...	147	Males... Females...	88 59	66 53	12 9	14 8	6 11	2 5	3 3	6 6	4 4	2 2	4 1	45	88 59		123 104	227	4 1	5	127 105	232	232	127 105	232	127 105	232				
December...	153	Males... Females...	82 71	82 71	23 15	12 3	11 4	10 4	7 4	5 1	5 5	3 3	1 2	70	82 71		175 119	294	175 119	175 119	175 119	294	294	175 119	294	175 119	294				

DEATHS BY AGE.		1876.		1875.		All Aged Under One Year.	
Of those Born in Year of Death.	2,604	Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149
Of those Born in Previous Year.		Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149
		Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149
		Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149
		Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149
		Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149
		Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149
		Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149
		Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149
		Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149
		Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149
		Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149
		Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149
		Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149
		Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149
		Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149	Males... 1,545	Females... 1,149
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BIRTH-MONTHS MOST FAVORABLE TO THE LIFE OF THE CHILD.

Exhibit 3 contains data concerning the number of children who were born in each month of the year 1875, and who died in 1875 and 1876, aged under one year. The largest proportion of the decedents born in 1875, who died aged under one year, is shown for those born in the month of February, the smallest for those born in September. Of the children born in 1874, who died under one year of age, the largest proportion appeared for those born in February, the smallest for those born in November; of those born in 1873, the largest proportion was shown for those born in the month of January, the smallest for those born in September; of those born in 1872, the largest proportion appeared for those born in March, the smallest for those born in November; and of those born in 1871, the largest proportion who died before reaching the age of one year was of those born in October, the smallest proportion was of those born in May and in September, respectively. The teaching of Exhibit 3, therefore, for the several years, 1872-1876, is that the chances for living past the age of one year are best for those born in the first three months of the year, while the greatest danger of dying before reaching the age of one year is to those born in the latter part of the year.

MONTHS OF GREATEST DANGER TO LIFE OF CHILD AGED UNDER ONE YEAR.

The first parts of Exhibit G, page 121, and of Tables V. and VI., pages 122 and 124, have shown us that in 1876 the evidence is that the mortality of children under one year of age was greatest in the month of August, next greatest in the month of September, next in July, and next in December. This is not the same order by months as was shown in the Report for 1875, in which year there seems to have been a less than usual proportion of deaths in the latter part of the year, while in the year 1876 there appears to have been more than the usual mortality in the summer, and less than the usual mortality in the spring, as may be seen by referring to Diagram No. 3, page 116.

Exhibit 4, page 137, is similar to the corresponding exhibits for previous years, and has been explained in previous Reports. By the third column from the last, it appears that a very large proportion of the children born in 1875, who died aged under one year of age, died during the month of birth, the per cent ranging from 36.25 in June to 50.98 in November, the average per cent being 43.34. The last column shows what per cent of the children born in each month of the year 1875 died during the month of birth. On an average for 1875, 4.38 per cent of the children died during the month of birth. In February the largest per cent died during month of birth, and the smallest per cent appears for July.

DEATHS—INFANT MORTALITY.

137

EXHIBIT 3.—Of the Children Born in 1875, the Number who Died during the Year 1875; the Number who Died during the Year 1876 under One Year of Age; the Total Number who Died under One Year of Age; and Per Cent of Decedents Aged under One Year to the Children Born in 1875, according to the Returns.

MONTHS OF BIRTHS.	CHILDREN BORN IN 1875.					MALE CHILDREN BORN IN 1875.					FEMALE CHILDREN BORN IN 1875.				
	Total as Returned.*	Died during the Year 1875.	Died Aged under 1 Year during the Year 1876.	Total Died under 1 Year.	Per Cent of Deaths under 1 to Births.	Total as Returned.	Died during the Year 1875.	Died Aged under 1 Year during the Year 1876.	Total Died under 1 Year.	Per Cent of Deaths under 1 to Births.	Total as Returned.	Died during the Year 1875.	Died Aged under 1 Year during the Year 1876.	Total Died under 1 Year.	Per Cent of Deaths under 1 to Births.
Total.....	31,898	2,533	688	3,221	10.10	16,453	1,481	389	1,820	11.04	15,341	1,102	299	1,401	9.13
January.....	2,089	235	.....	235	11.25	1,082	146	.....	146	13.40	1,002	89	.....	89	8.88
February.....	2,121	270	2	272	12.82	1,060	162	1	163	15.09	1,035	108	1	109	10.53
March.....	2,415	290	6	296	12.26	1,240	159	4	163	13.15	1,105	131	2	133	11.42
April.....	2,710	268	20	288	10.64	1,368	149	12	161	11.77	1,336	119	8	127	9.51
May.....	2,722	243	28	271	9.06	1,427	139	15	154	10.79	1,292	104	13	117	8.06
June.....	2,530	212	39	251	9.92	1,319	120	24	144	10.92	1,205	92	15	107	8.88
July.....	2,725	194	36	230	8.44	1,443	111	22	133	9.22	1,279	83	14	97	7.58
August.....	3,103	250	68	318	10.25	1,633	180	39	169	10.35	1,465	120	29	149	10.17
September.....	3,061	168	88	256	8.31	1,568	95	45	140	8.93	1,507	73	43	116	7.70
October.....	2,819	138	123	261	9.26	1,425	67	64	131	9.19	1,358	71	59	130	9.37
November.....	2,727	143	112	255	9.35	1,411	91	67	138	11.20	1,307	52	45	97	7.42
December.....	2,856	122	106	228	10.08	1,487	62	96	158	10.63	1,360	60	70	130	9.56

* Excluding 60 in unknown month,—28 males, 26 females, and 8 of unknown sex.

EXHIBIT 4.—*The Months of Births and of Deaths of Children born in 1875, who Died Under One Year of Age.*

MONTHS OF BIRTHS, 1875.	MONTHS OF DEATHS, 1875.												Per Cent of Deaths Aged un- der 1 month, to all chil- dren born.
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
Born in 1875, Died under 1 Yr.	88	129	182	196	170	147	213	371	354	236	207	240	Per Cent Died under 1 month, ^a
January.....	88	18	16	24	4	10	15	23	18	7	7	5	31.896
February.....	272	111	40	18	13	6	17	27	21	7	6	4	2.089
March.....	296	126	22	11	12	25	35	29	10	7	13	3	2.121
April.....	289	132	22	10	24	30	31	11	3	5	3	4	2.415
May.....	271	120	18	21	33	22	13	7	9	5	10	8	2.710
June.....	251	91	23	28	38	16	8	8	6	9	9	7	2.530
July.....	230	88	38	32	16	7	13	12	2	3	4	9	2.725
August.....	318	457	50	14	9	20	6	13	13	9	7	6	3.103
September.....	256	113	24	14	17	6	6	7	6	4	11	15	3.081
October.....	261	118	9	11	6	9	15	8	4	9	24	33	2.819
November.....	253	130	13	6	13	9	11	8	4	17	25	13	2.727
December.....	288	122	14	21	14	10	14	9	20	36	13	10	2.856
Deaths at each Age in Months	3,321	1,396	291	292	219	164	179	154	121	129	132	119	43.84
	.....	-1	1	2	3	4	5	6	7	8	9	10	31.896
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.88

^a That is, per cent of children who died during month of birth to total born in 1875 who died aged under one year.^b Excluding 60 in unknown month, — 36 males, 24 females, and 8 of unknown sex, according to the returns of births and of deaths. It should be borne in mind that the children born in 1876, the per cent who died during month of birth, according to the returns of births and of deaths, are returned for the later months of the year.

RELATIONS OF DEATHS OF CHILDREN TO BIRTHS, BY MONTHS.

The relation of deaths of children aged under one month to births, in 1876, is shown, by sex, and by month, in Exhibit 5. It may be seen that the per cent of the males is greater than of the females; and of the total of both sexes, and of the males, the greatest per cent is in August, while of the females the greatest per cent is in March.

EXHIBIT 5.—*The Relation by Months, by Total, and by Sex, of the Decedents aged under One Month to the Births in Michigan, during the Year ending December 31, 1876.*

SEX, ETC., SPECIFIED.	YEAR, 1876.	MONTHS, 1876.												
		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Total.....	{ Births	2,283	2,352	2,744	2,730	2,870	2,739	3,014	3,124	3,110	3,039	2,921	3,205	104
	{ Deaths aged under one month.*	89	87	129	132	117	101	125	160	134	116	124	159	1
	{ Per Cent of Deaths to Births...	4.31	3.70	4.70	4.84	4.08	3.69	4.15	5.12	4.31	3.82	4.25	4.96	.96
Males.....	{ Births.....	1,149	1,248	1,448	1,441	1,471	1,409	1,532	1,592	1,619	1,595	1,532	1,667	53
	{ Deaths aged under one month.*	53	44	66	76	70	57	76	90	71	78	66	82	.....
	{ Per Cent of Deaths to Births...	4.66	3.54	4.56	5.27	4.76	4.05	4.96	5.65	4.39	4.76	4.31	4.92	.....
Females...	{ Births.....	1,132	1,104	1,296	1,288	1,397	1,325	1,481	1,525	1,487	1,440	1,384	1,529	49
	{ Deaths aged under one month.*	35	40	60	52	46	40	48	66	61	39	53	71	1
	{ Per Cent of Deaths to Births...	3.73	3.62	4.65	4.04	3.29	3.02	3.24	4.33	4.10	2.71	3.83	4.64	2.04
Unknown.	{ Births.....	56	2	5	7	3	5	1	7	4	4	5	9	2
	{ Deaths aged under one month.*	35	1	3	4	1	4	1	4	2	1	5	6	.....

* Still-births included.

DEATHS OF CENTENARIANS.

According to the returns of deaths, nine persons died in this State in 1876, who were one hundred years old or over. This number is the same as returned for 1875, and more than any other previous year, except 1874, for which year 10 were reported. The average age of the centenarians in 1876 was 104 years; in 1875, 102 years; in 1874, 103 years; in 1873, 100 years; in 1872, 100 years; in 1871, 102 years; in 1870, 102 years. The highest age reported was 119 years, in 1876.

TABLE IX.—Deaths Returned as having occurred in Michigan, during the year 1876, of Persons Aged One Hundred Years and Over, Exhibiting certain Details concerning them included in the Returns.

NAMES OF CENTENARIANS, 1876.	SEX.	COLOR.	Married, Single, or Widowed.	Birthplace.	AGE.			Occupation.	PLACE OF DEATH.		DATE OF DEATH, 1876.		Cause of Death.
					Years	Months	Days		Township, City, or Village.	County.	Month.	Day.	
Old Squaw.....	Female..	Indian.	Widow....	Canada.....	100	.....	.....	Unknown.....	Cedarville....	Menominee..	December..	20	Old Age.
Louis Dellamore....	Male....	White.	Widower..	Canada.....	104	.....	.....	Farmer.....	Hume.....	Huron.....	June.....	17	Old Age.
Catharine Labonter..	Female..	White.	Widow....	Canada.....	104	.....	3	Not stated....	Ira.....	St. Clair....	November..	14	Not stated.
William Shanks.....	Male....	White.	Married..	Pennsylvania..	104	8	18	Farmer.....	Montrose....	Genesee....	November..	8	Diabetes.
Eva Schraw.....	Female..	White.	Widow....	Michigan.....	103	.....	.....	Unemployed...	Waterloo....	Jackson....	January....	9	Old Age.
Mary McAvoy.....	Female..	White.	Widow....	Ireland.....	101	.....	.....	Unemployed...	Detroit.....	Wayno.....	January....	14	Debility.
Mary Ann Staffors..	Female..	White.	Widow....	Germany.....	119	.....	.....	House-wife....	Detroit.....	Wayno.....	November..	26	Congest'n of stomach
Robert Brundon....	Male....	Black..	Unknown	England.....	100	.....	.....	Unknown.....	Nankin.....	Wayne.....	December..	16	Dropsy.
Charlotte Deanoyer..	Female..	White.	Not given	Canada.....	104	.....	.....	House-keeper	Attica.....	Lapeer.....	September	1	Old Age.

EXHIBIT H.—Counties and Townships from which no Returns of Deaths for 1876 were received by this Department, showing Population in 1874, by Sex.

COUNTIES.	TOWNSHIPS FROM WHICH NO RETURNS OF DEATHS FOR 1876 WERE RECEIVED.	POPULATION, 1874.		
		Total.	Males.	Females.
Total.....		17,045	9,360	7,785
Antrim	Kearney..... ^a			
Bay	Merritt	316	173	143
Cheboygan	Nunda..... ^{a b}			
Chippewa	{ Detour..... ^{a c}	221	131	90
	{ Sugar Island..... ^b	332	173	159
Clare	Summerfield	134	78	61
Delta.....	Fairbanks	536	344	192
Genesee	Argentine..... ^b	1,037	546	491
Hillsdale	Scipio	1,009	539	470
Ionia	North Plains..... ^b	1,808	948	855
Iosco	Thompson..... ^{b d}	56	35	21
Isabella	{ Broomfield.....	84	46	38
	{ Deerfield..... ^a			
	Galilee.....	163	92	71
Manitou	Peaine.....	341	183	158
	South Manitou..... ^e			
Mecosta.....	Green	886	471	415
Monroe	Berlin..... ^b	2,026	1,044	982
Montcalm	Reynolds	1,271	731	540
	Beaver.....	200	119	81
	Big Prairie.....	400	234	166
Newaygo	Bridgeton.....	366	203	163
	Brooks	1,180	633	547
	Monroe	168	102	66
Oakland	Holly..... ^b	2,507	1,248	1,259
Ogemaw..... ^a	Edwards..... ^{a b}			
	Charlton..... ^{a b}			
Otsego..... ^a	Elmira..... ^{a b}			
	Corwith			
	Hayes..... ^{a b}			
Presque Isle.....	Presque Isle.....	719	368	351
Roscommon.....	All Townships..... ^{a f}			
Schoolcraft.....	All Townships..... ^b	1,290	824	466
Wexford	Cadillac, 1st Ward.....			

^a Organized since Census was taken.^b County Clerk says no returns from Supervisor.^c "Warner" in Census. Name changed to Detour, April 10, 1877.^d Includes the north quarter of the unorganized county of Ogemaw.^e Census not returned.^f County Clerk says "No deaths reported."

TOWNSHIPS IN WHICH NO DEATHS OCCURRED.

There were seventy-five (75) townships in Michigan in which it was reported that no deaths occurred in 1876, representing a population in 1874 of 8,063. All of these townships were situated north of the southern boundary of Saginaw county. This is an unusually large number of townships reported as having no deaths during a year. The inhabitants of these new townships are probably in large proportion persons in the middle periods of life, at ages generally comparatively free from deaths.

EXHIBIT I.—Counties and Townships in which it is Reported that No Deaths Occurred in 1876.

COUNTIES.	TOWNSHIPS HAVING NO DEATHS IN 1876.	POPULATION, 1874.			COUNTIES.	TOWNSHIPS HAVING NO DEATHS IN 1876.	POPULATION, 1874.		
		Total.	Males.	Fe- males.			Total.	Males.	Fe- males.
Total		8,063	4,510	3,553					
Alcona	Alcona	319	182	137	Leelanaw	Elmwood	285	157	128
Alpena	Long Rapids	291	176	115		Empire	416	220	196
	Ossineke	110	78	32	Manistee	Arcadia	226	126	100
Antrim	Chestonia				Marquette	Forsyth	34	25	9
	Echo					Richmond	394	226	168
	Forest Home	242	133	109	Mason	Lincoln	131	73	58
	Jordan					Victory	421	229	192
Bay	Beaver	170	91	79	Midland	Geneva	131	81	50
	Mason					Jerome	173	96	77
	Momf.				Missaukee	Clam Union	117	65	52
Benzie	Homestead	164	81	83		Riverside	82	41	41
	Lake	40	22	18		West Branch	64	52	12
	Weldon	53	28	25	Muskegon	Moorland	213	116	97
Charlevoix	Hudson				Oceana	Colfax	76	42	34
Cheboygan	Tuscarora					Greenwood	248	141	107
Clare	Hayes					Otto	128	68	60
Emmet	Littlefield				Ogemaw	Churchill			
	Maple River					Rose			
	Pleasant View				Osceola	Hartwick	145	80	65
Gladwin	Billings					Middle Branch	86	47	39
	Gladwin					Sylvan	124	77	47
	Colfax	150	90	60	Saginaw	Lakefield			
	Huron	372	192	180		Argyle	122	64	58
	Lincoln					Elmer	64	33	31
	Oliver				Sanilac	Evergreen	98	53	45
	Sheridan	196	101	95		Moore	51	28	23
	White Rock	300	168	132		Watertown	72	38	34
Huron					Tuscola	Geneva	207	114	93
	Cold Springs	51	26	25		Antioch	163	84	79
	Maple Forest					Boon			
	Orange	64	38	26		Clcon	94	56	38
	South Branch				Wexford	Henderson	75	45	30
	Springfield	169	90	79		Harring	190	119	80
	Cherry Valley	104	50	54		Liberty			
	Dover					Selma	138	73	65
	Elk	91	68	23					
	Eden								
	Glencoe								
	Lake	104	72	32					
	Webber	114	63	51					
	Yates	182	92	90					

inized since census was taken.

TABLE X.—Exhibiting for the State and Counties, by Sex, the Number of Deaths Returned as having Occurred in Michigan during the Year 1876, and in each Month of the Year; also the Number of Deaths at each Period of Age.

STATE AND COUNTIES.	SEX.	MONTHS, 1876.												AGES IN PERIODS OF YEARS, 1876.																				
		Year, 1876.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.	
State.....	Total.....	12,576	685	800	975	978	970	855	1079	1507	1423	1131	989	1103	31	5121	630	367	537	564	515	425	423	349	375	353	420	418	461	490	387	457	244	
	Males.....	6,755	392	412	515	509	519	463	598	822	757	606	541	607	15	2798	332	180	233	225	240	205	208	183	226	214	266	255	277	290	234	247	133	
	Females..	5,761	292	385	456	463	449	388	480	677	664	521	439	535	12	2281	298	187	304	329	275	220	215	166	149	170	154	163	184	200	153	210	94	
	Unknown	59	1	3	4	6	2	4	1	8	2	4	9	11	4	42	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	17
Alcona.....	Total.....	8	2	1	1	....	....	....	1	2	....	....	1	....	....	2	....	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	1
	Males.....	5	1	1	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1
	Females..	3	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Allegan.....	Total.....	311	20	20	31	27	19	20	23	38	42	21	27	23	..	116	23	11	13	19	10	10	4	10	13	10	12	12	10	13	10	12	3	
	Males.....	172	12	11	17	14	12	13	14	19	22	11	14	13	..	61	9	4	9	15	4	3	2	4	6	10	7	8	6	8	6	7	3	
	Females..	139	8	9	14	13	7	7	9	19	20	10	13	10	..	55	14	7	4	4	6	7	2	6	7	4	2	5	2	5	4	5	....
Alpena.....	Total.....	43	....	3	4	....	2	4	8	7	6	2	3	4	..	24	....	2	3	....	3	1	2	....	3	2	....	1	2	....	....	....	....	....
	Males.....	21	....	1	2	....	1	....	5	4	5	2	1	....	....	14	....	1	....	2	....	....	....	....	2	....	....	....	....	....	....	....	....
	Females..	22	....	2	2	....	1	4	3	3	1	....	2	4	..	10	....	1	2	....	1	1	2	....	3	....	....	....	....	....	....	....	....
Antrim.....	Total.....	19	2	1	1	1	2	2	2	3	....	4	1	....	....	14	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Males.....	14	2	1	....	1	2	....	2	....	....	3	1	....	....	10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Females..	4	....	....	1	....	....	....	1	1	....	1	....	....	....	3	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Unknown	1	....	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

* For counties and townships not represented by returns of deaths in 1876, see Exhibit H, page 141.

TABLE X.—CONTINUED.—Deaths by Counties, by Sex, by Months, and by Age, 1876.

COUNTIES.	SEX.	MONTHS, 1876.												AGES IN PERIODS OF YEARS, 1876.																				
		Year, 1876.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.	
Baraga.....	Total.....	27	5	.....	4	2	1	1	3	3	3	3	4	.....	13	.....	1	2	.....	2	1	.....	.....	.....	2	.....	2	1	1	1	1	.....	.....	.....
	Males.....	12	3	.....	3	1	1	1	1	.....	1	1	1	.....	5	.....	1	1	.....	1	.....	.....	.....	.....	.....	.....	1	1	1	1	.....	.....	.....
	Females.....	15	1	.....	1	1	.....	.....	2	3	2	2	3	.....	8	.....	.....	1	.....	1	1	.....	.....	.....	2	.....	2	.....	.....	.....	.....	.....	.....	.....
Barry.....	Total.....	196	15	13	10	15	10	10	12	21	28	24	17	18	3	66	15	14	6	4	13	7	6	7	7	5	9	7	5	10	5	8	9	9
	Males.....	95	9	6	1	7	6	7	7	11	13	13	6	7	2	37	7	6	3	.....	7	3	3	3	4	3	4	3	2	1	3	3	2	2
	Females.....	100	6	7	9	8	4	3	5	10	15	10	11	11	1	28	8	8	3	4	6	4	3	4	3	2	5	3	5	4	8	5	6	6
Bay.....	Unknown	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total.....	257	10	13	18	14	19	13	20	37	25	26	30	26	.....	152	10	7	15	8	5	6	9	8	9	6	6	5	6	9	1	1	.....	.....
	Males.....	135	7	6	7	6	10	5	17	22	12	15	16	12	.....	79	7	5	6	2	3	.....	6	1	5	2	5	4	3	4	1	.....	.....	.....
Benzie.....	Females.....	122	3	7	11	8	9	8	9	15	13	11	14	14	.....	73	3	2	9	6	2	6	3	2	3	4	1	2	2	1	.....	.....	.....	.....
	Total.....	26	3	2	.....	2	1	3	1	1	5	2	4	2	.....	10	.....	.....	1	.....	1	3	.....	.....	.....	1	1	1	1	1	.....	.....	.....	.....
	Males.....	11	.....	.....	.....	2	1	2	.....	1	3	.....	1	1	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2	1	.....	.....	.....	.....	.....
Berrien.....	Females.....	15	3	2	.....	.....	.....	1	1	.....	2	2	3	1	.....	5	.....	.....	1	.....	1	2	.....	.....	1	.....	1	.....	1	.....	.....	.....	.....	.....
	Total.....	335	19	31	25	22	21	15	22	53	49	20	20	30	2	130	15	16	11	14	19	13	6	10	10	11	11	17	16	10	6	10	6	10
	Males.....	186	13	13	10	14	9	6	13	33	29	13	8	16	.....	83	7	5	8	6	9	7	5	5	5	5	6	6	7	8	4	2	8	8
Berkshire.....	Females.....	149	6	18	6	8	12	9	9	20	20	13	12	14	2	47	8	11	3	8	10	6	1	5	5	5	5	10	8	6	4	2	2	2

DEATHS—BY COUNTIES, BY SEX, BY MONTHS, BY AGE.

Branch.....	Total.....	309	19	21	21	25	18	14	19	44	51	24	28	23	93	27	19	12	8	5	10	8	10	10	7	12	11	18	10	18	12	10	9	16	12	11	
	Males.....	131	8	9	14	15	7	8	7	18	31	14	13	7	50	20	7	2	2	4	5	3	6	4	5	6	4	5	6	7	5	4	10	5	6		
	Females..	156	11	12	7	13	11	6	12	26	20	10	15	13	41	7	12	10	6	4	5	4	6	5	8	12	5	5	6	7	8	12	5	5	6	7	8
	Unknown	2	--	--	--	--	--	--	--	--	--	--	--	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Calhoun.....	Total.....	288	4	9	19	15	18	15	12	29	29	35	20	32	50	17	6	10	9	10	10	9	10	10	7	12	11	18	10	18	12	17	10	7	4		
	Males.....	124	3	4	6	8	10	10	7	14	15	13	13	21	28	7	2	5	1	2	3	4	6	9	4	6	9	7	8	12	8	11	5	4	2		
	Females..	112	1	5	13	7	8	4	5	15	14	22	7	11	21	10	4	5	8	8	7	3	6	2	11	2	6	4	6	5	3	1					
	Unknown	2	--	--	--	--	1	--	--	--	--	1	----	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Cass.....	Total.....	189	6	8	12	10	20	13	16	16	34	17	14	23	68	13	7	8	8	11	4	8	5	7	3	4	8	9	8	12	5	1					
	Males.....	92	5	4	6	5	9	6	9	9	17	10	3	9	36	4	4	2	1	5	2	4	1	5	2	2	5	5	4	7	2	1					
	Females..	97	1	4	6	5	11	7	7	7	17	7	11	14	32	9	3	6	7	6	2	4	2	1	2	2	3	4	4	5	3	--	--	--	--		
	Unknown	23	1	1	--	4	3	5	1	4	4	5	3	2	16	5	--	2	2	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Charlevoix..	Total.....	18	1	--	--	4	1	4	1	2	3	1	----	1	9	3	--	--	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	Males.....	15	--	1	--	--	2	1	--	2	1	4	3	1	7	2	--	2	1	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	Females..	14	1	--	1	--	2	1	4	1	1	1	----	2	4	2	--	2	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	Unknown	8	1	--	1	--	2	1	1	1	1	1	----	--	3	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Cheboygan..	Total.....	6	--	--	--	--	--	3	----	--	1	----	2	2	1	1	--	2	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	Males.....																																				
	Females..																																				
	Unknown																																				
Chippewa...	Total.....	31	1	--	1	2	1	5	2	5	6	4	2	1	14	2	--	2	2	2	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Males.....	16	1	--	1	--	1	1	1	3	4	2	1	--	1	8	--	1	--	2	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	Females..	14	--	--	--	1	----	1	2	2	2	1	1	1	5	2	--	1	2	--	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	Unknown	1	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Clare.....	Total.....	16	--	--	--	--	--	2	4	4	2	3	1	10	--	--	1	--	2	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Males.....	11	--	--	--	--	--	1	3	2	2	3	--	7	--	--	1	--	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	Females..	5	--	--	--	--	--	1	1	2	--	--	1	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	Unknown																																				

EXHIBIT 4.—The Months of Births and of Deaths of Children born in 1875, who Died Under One Year of Age.

MONTHS OF BIRTHS, 1875.	MONTHS OF DEATHS, 1875.												MONTHS OF DEATHS, 1876.												Per Cent of Deaths under 1 month. ^a	Per Cent of Deaths under 1 month. ^b	Per Cent of Deaths under 1 month. ^c
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.			
Born in 1875, died Year of Age.	88	120	182	196	170	147	213	371	354	236	207	240	69	90	91	60	54	45	90	127	41	16	5	37.45	31,898	Per Cent of Deaths under 1 month. ^d	
3,221	88	120	182	196	170	147	213	371	354	236	207	240	69	90	91	60	54	45	90	127	41	16	5	37.45	31,898	Per Cent of Deaths under 1 month. ^d	
235	88	120	182	196	170	147	213	371	354	236	207	240	69	90	91	60	54	45	90	127	41	16	5	37.45	31,898	Per Cent of Deaths under 1 month. ^d	
272	88	120	182	196	170	147	213	371	354	236	207	240	69	90	91	60	54	45	90	127	41	16	5	37.45	31,898	Per Cent of Deaths under 1 month. ^d	
296	88	120	182	196	170	147	213	371	354	236	207	240	69	90	91	60	54	45	90	127	41	16	5	37.45	31,898	Per Cent of Deaths under 1 month. ^d	
288	88	120	182	196	170	147	213	371	354	236	207	240	69	90	91	60	54	45	90	127	41	16	5	37.45	31,898	Per Cent of Deaths under 1 month. ^d	
271	88	120	182	196	170	147	213	371	354	236	207	240	69	90	91	60	54	45	90	127	41	16	5	37.45	31,898	Per Cent of Deaths under 1 month. ^d	
251	88	120	182	196	170	147	213	371	354	236	207	240	69	90	91	60	54	45	90	127	41	16	5	37.45	31,898	Per Cent of Deaths under 1 month. ^d	
230	88	120	182	196	170	147	213	371	354	236	207	240	69	90	91	60	54	45	90	127	41	16	5	37.45	31,898	Per Cent of Deaths under 1 month. ^d	
318	88	120	182	196	170	147	213	371	354	236	207	240	69	90	91	60	54	45	90	127	41	16	5	37.45	31,898	Per Cent of Deaths under 1 month. ^d	
256	88	120	182	196	170	147	213	371	354	236	207	240	69	90	91	60	54	45	90	127	41	16	5	37.45	31,898	Per Cent of Deaths under 1 month. ^d	
261	88	120	182	196	170	147	213	371	354	236	207	240	69	90	91	60	54	45	90	127	41	16	5	37.45	31,898	Per Cent of Deaths under 1 month. ^d	
255	88	120	182	196	170	147	213	371	354	236	207	240	69	90	91	60	54	45	90	127	41	16	5	37.45	31,898	Per Cent of Deaths under 1 month. ^d	
288	88	120	182	196	170	147	213	371	354	236	207	240	69	90	91	60	54	45	90	127	41	16	5	37.45	31,898	Per Cent of Deaths under 1 month. ^d	
3,221	88	120	182	196	170	147	213	371	354	236	207	240	69	90	91	60	54	45	90	127	41	16	5	37.45	31,898	Per Cent of Deaths under 1 month. ^d	
No. of Deaths at each Age in Months	3,221	3,221	3,221	3,221	3,221	3,221	3,221	3,221	3,221	3,221	3,221	3,221	3,221	3,221	3,221	3,221	3,221	3,221	3,221	3,221	3,221	3,221	3,221	3,221	3,221		

^a That is, per cent of children who died during month of birth to total born in 1875 who died aged under one year.
^b Excluding 60 in unknown month—28 males, 32 females, and 8 of unknown sex.
^c That is, of the children born in 1875, the per cent who died during month of birth, according to the returns of births and of deaths. It should be borne in mind that probably a larger proportion of the births and of the deaths are returned for the later months of the year.

RELATIONS OF DEATHS OF CHILDREN TO BIRTHS, BY MONTHS.

The relation of deaths of children aged under one month to births, in 1876, is shown, by sex, and by month, in Exhibit 5. It may be seen that the per cent of the males is greater than of the females; and of the total of both sexes, and of the males, the greatest per cent is in August, while of the females the greatest per cent is in March.

EXHIBIT 5.—*The Relation by Months, by Total, and by Sex, of the Decedents aged under One Month to the Births in Michigan, during the Year ending December 31, 1876.*

SEX, ETC., SPECIFIED.	YEAR, 1876.	MONTHS, 1876.												
		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Births	34,235	2,283	2,352	2,744	2,730	2,870	2,739	3,014	3,124	3,110	3,039	2,921	3,205	104
Deaths aged under one month.*	1,474	89	87	129	132	117	101	125	160	134	118	124	159	1
Per Cent of Deaths to Births...	4.31	3.90	3.70	4.70	4.84	4.08	3.69	4.15	5.12	4.31	3.82	4.25	4.96	.96
Births	17,751	1,149	1,218	1,448	1,441	1,471	1,400	1,532	1,592	1,619	1,505	1,532	1,667	53
Deaths aged under one month.*	827	53	44	66	76	70	57	76	90	71	76	66	82	-----
Per Cent of Deaths to Births ..	4.66	4.61	3.54	4.56	5.27	4.76	4.05	4.96	5.65	4.39	4.76	4.31	4.92	-----
Births	16,428	1,132	1,104	1,289	1,286	1,397	1,325	1,481	1,525	1,487	1,440	1,384	1,529	49
Deaths aged under one month.*	612	35	40	60	52	46	40	48	66	61	39	53	71	1
Per Cent of Deaths to Births...	3.73	3.09	3.62	4.65	4.04	3.29	3.02	3.24	4.33	4.10	2.71	3.83	4.64	2.04
Births	56	2	5	7	3	2	5	1	7	4	4	5	9	2
Deaths aged under one month.*	35	1	3	3	4	1	4	1	4	2	1	5	6	-----

* Still-births included.

DEATHS OF CENTENARIANS.

According to the returns of deaths, nine persons died in this State in 1876, who were one hundred years old or over. This number is the same as returned for 1875, and more than any other previous year, except 1874, for which year 10 were reported. The average age of the centenarians in 1876 was 104 years; in 1875, 102 years; in 1874, 103 years; in 1873, 100 years; in 1872, 100 years; in 1871, 102 years; in 1870, 102 years. The highest age reported was 119 years, in 1876.

TABLE IX.—Deaths Returned as having occurred in Michigan, during the year 1876, of Persons Aged One Hundred Years and Over, Exhibiting certain Details concerning them included in the Returns.

NAMES OF CENTENARIANS, 1876.	SEX.	COLOR.	Married, Single, or Widowed.	Birthplace.	AGE.			PLACE OF DEATH.		DATE OF DEATH, 1876.		Cause of Death.
					Years.	Months.	Days.	Township, City, or Village.	County.	Month.	Day.	
Old Squaw.....	Female..	Indian..	Widow...	Canada.....	100	---	---	Cedarville....	Menominee..	December..	20	Old Age.
Louis Dellamore...	Male	White..	Widower..	Canada.....	104	---	---	Hume.....	Huron.....	June	17	Old Age.
Catharine Labonter	Female..	White..	Widow...	Canada.....	104	---	3	Ira.....	St. Clair....	November	14	Not stated.
William Shanks....	Male	White..	Married..	Pennsylvania..	104	8	18	Montrose.....	Genesee....	November	3	Diabetes.
Eva Schraw.....	Female..	White..	Widow...	Michigan.....	103	---	---	Waterloo.....	Jackson....	January...	9	Old Age.
Mary McAvoy.....	Female..	White..	Widow...	Ireland.....	101	---	---	Detroit.....	Wayne.....	January...	14	Debility.
Mary Ann Staffers..	Female..	White..	Widow...	Germany.....	119	---	---	Detroit.....	Wayno	November	28	Congest'n of Stomach Dropay.
Robert Brundon....	Male	Black..	Unknown	England	100	---	---	Nankin.....	Wayne	December.	16	
Charlotte Desnoyer.	Female..	White..	Not given	Canada.....	104	---	---	Attica.....	Lapeer.....	September	1	Old Age.

DEATHS—DELINQUENT COUNTIES AND TOWNSHIPS, 1876. 141

EXHIBIT H.—Counties and Townships from which no Returns of Deaths for 1876 were received by this Department, showing Population in 1874, by Sex.

COUNTIES.	TOWNSHIPS FROM WHICH NO RETURNS OF DEATHS FOR 1876 WERE RECEIVED.	POPULATION, 1874.		
		Total.	Males.	Females.
Total.....		17,045	9,260	7,785
Antrim	Kearney..... ^a			
Bay	Merritt	316	173	143
Cheboygan	Nunda..... ^{a b}			
Chippewa	{ Detour..... ^{a c}	221	131	90
	{ Sugar Island..... ^b	332	173	159
Clare	Summersfield	134	73	61
Delta.....	Fairbanks	536	344	192
Genesee	Argentine..... ^b	1,037	546	491
Hillsdale	Scipio	1,009	530	470
Ionia	North Plains..... ^b	1,803	948	855
Iosco	Thompson..... ^{b d}	66	35	21
Isabella	{ Broomfield.....	84	46	38
	{ Deerfield..... ^a			
	Galilee.....	163	92	71
Manitou	Peaine.....	341	183	158
	{ South Manitou..... ^e			
Mecosta.....	Green	886	471	415
Monroe	Berlin..... ^b	2,026	1,044	982
Montcalm	Reynolds	1,271	731	540
	{ Beaver.....	200	119	81
	{ Big Prairie.....	400	234	166
Newaygo	{ Bridgeton.....	366	203	163
	{ Brooks	1,180	633	547
	{ Monroe	168	102	66
Oakland.....	Holly..... ^b	2,507	1,248	1,259
Ogemaw..... ^a	Edwards..... ^{a b}			
	{ Charlton..... ^{a b}			
Otsego..... ^a	{ Elmira..... ^{a b}			
	{ Corwith..... ^{a b}			
	{ Hayes..... ^{a b}			
Presque Isle.....	Presque Isle.....	719	368	351
Roscommon.....	All Townships..... ^{a f}			
Schoolcraft.....	All Townships..... ^b	1,290	824	466
Wexford	Cadillac, 1st Ward.....			

^a Organized since Census was taken.
^b County Clerk says no returns from Supervisor.
^c "Warner" in Census. Name changed to Detour, April 19, 1877.

^d Includes the north quarter of the unorganized county of Ogemaw.
^e Census not returned.
^f County Clerk says "No deaths reported."

TOWNSHIPS IN WHICH NO DEATHS OCCURRED.

There were seventy-five (75) townships in Michigan in which it was reported that no deaths occurred in 1876, representing a population in 1874 of 8,063. All of these townships were situated north of the southern boundary of Saginaw county. This is an unusually large number of townships reported as having no deaths during a year. The inhabitants of these new townships are probably in large proportion persons in the middle periods of life, at ages generally comparatively free from deaths.

EXHIBIT I.—Counties and Townships in which it is Reported that No Deaths Occurred in 1876.

COUNTIES.	TOWNSHIPS HAVING NO DEATHS IN 1876.	POPULATION, 1874.			COUNTIES.	TOWNSHIPS HAVING NO DEATHS IN 1876.	POPULATION, 1874.		
		Total.	Males.	Fe. males.			Total.	Males.	Fe. males.
Total .....	.....	8,063	4,510	3,553	Leelanaw..	{ Elmwood..... Empire.....	285 416	157 220	128 196
Alcona	Alcona.....	319	182	137	Manistee...	Arcadia.....	226	126	100
Alpena.....	{ Long Rapids..... Ossineke.....	291 110	176 78	115 52	Marquette..	{ Forsyth..... Richmond.....	34 394	25 226	9 168
Antrim	{ Chestonia..... ^a Echo..... Forest Home..... Jordan..... ^a	242	133	109	Mason.....	{ Lincoln..... Victory.....	131 421	73 229	58 192
Bay	{ Beaver..... Mason..... ^a Mofft..... ^a	170	91	79	Midland...	{ Geneva..... Jerome.....	131 173	81 96	50 77
Benzie.....	{ Homestead..... Lake..... Weldon.....	164 40 53	81 22 28	83 18 25	Missaukee..	{ Clam Union..... Riverside..... West Branch.....	117 82 64	65 41 52	52 41 13
Charlevoix..	Hudson..... ^a				Muskegon..	Moorland.....	213	116	97
Cheboygan..	Tuscarora..... ^a				Oceana.....	{ Colfax..... Greenwood..... Otto.....	76 248 128	42 141 68	34 107 60
Clare	Hayes..... ^a				Ogemaw... ^a	{ Churchill..... ^a Rose..... ^a			
Emmet	{ Littlefield..... ^a Maple River..... ^a Pleasant View..... ^a				Osceola	{ Hartwick..... Middle Branch..... Sylvan.....	145 86 124	80 47 77	65 39 47
Gladwin... ^a	{ Billings..... ^a Gladwin..... ^a				Saginaw.....	Lakefield..... ^a			
Huron	{ Colfax..... Huron..... Lincoln..... ^a Oliver..... ^a Sheridan..... White Rock.....	150 372	90 192	60 180	Sanilac.....	{ Argyle..... Elmer..... Kvergreen..... Moore..... Watertown.....	122 64 98 51 72	64 33 53 28 38	58 31 45 23 34
Kalkaska..	{ Cold Springs..... Maple Forest..... ^a Orange..... South Branch..... ^a Springfield.....	51 64 169	26 38 90	25 26 79	Tuscola	Geneva.....	207	114	93
Lake	{ Cherry Valley... Dover..... ^a Elk..... Eden..... ^a Glencoe..... ^a Lake..... Webber..... Yates.....	104 91 104 114 182	50 68 72 63 93	54 23 32 51 90	Wexford....	{ Antioch..... Boon..... ^a Clcon..... Henderson..... Harring..... Liberty..... Selma.....	163 94 75 190 138	84 56 45 119 73	79 38 30 80 66

^a Organized since census was taken.

TABLE X.—Exhibiting for the State and Counties, by Sex, the Number of Deaths Returned as having Occurred in Michigan during the Year 1876, and in each Month of the Year; also the Number of Deaths at each Period of Age.

STATE AND COUNTIES.	SEX.	YEAR, 1876.	MONTHS, 1876.												AGES IN PERIODS OF YEARS, 1876.																		
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
State.....	Total.....	12,576	685	800	975	978	970	855	1079	1507	1423	1131	989	1153	31	5121	630	367	537	564	515	425	423	349	375	353	420	418	461	490	387	457	244
	Males.....	6,756	392	412	515	509	519	463	698	822	757	606	541	607	15	2798	332	180	233	235	240	305	308	183	236	214	266	255	277	290	234	247	133
	Females..	5,761	292	385	456	463	449	388	480	677	664	521	439	535	12	2281	298	187	304	329	275	220	215	166	149	170	154	163	184	200	153	210	94
	Unknown	59	1	3	4	6	2	4	1	8	2	4	9	11	4	42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
Alcona.....	Total.....	8	2	1	1	.....	.....	.....	1	2	.....	.....	1	.....	.....	2	.....	1	1	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
	Males.....	5	1	1	1	.....	.....	.....	1	.....	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
	Females..	3	1	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	1	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Allegan.....	Total.....	311	20	20	31	27	19	20	23	38	42	21	27	23	..	116	23	11	13	19	10	10	4	10	13	10	12	10	13	10	12	3	
	Males.....	172	12	11	17	14	12	13	14	19	22	11	14	13	..	61	9	4	9	15	4	3	2	4	6	6	10	7	8	6	7	3	
	Females..	139	8	9	14	13	7	7	9	19	20	10	13	10	..	55	14	7	4	4	6	7	2	6	7	4	2	5	2	5	4	5	
Alpena.....	Total.....	43	...	3	4	.....	2	4	8	7	6	2	3	4	..	24	.....	2	3	...	3	1	2	...	3	2	...	1	2	.....	.....	.....	.....
	Males.....	21	...	1	2	.....	1	...	5	4	5	2	1	.....	..	14	.....	1	1	...	2	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....
	Females..	22	...	2	...	.....	1	4	3	3	1	.....	2	4	..	10	.....	1	2	...	1	1	2	...	3	...	1	1	.....	.....	.....	.....	.....
Antrim.....	Total.....	19	2	1	1	1	2	2	2	5	...	4	1	.....	...	14	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
	Males.....	14	2	1	.....	1	2	...	2	...	...	3	1	.....	...	10	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
	Females..	4	.....	.....	1	.....	.....	1	1	1	.....	1	.....	.....	...	3	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Unknown	1	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	...	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

* For counties and townships not represented by returns of deaths in 1876, see Exhibit H, page 141.

TABLE X.—CONTINUED.—Deaths by Counties, by Sex, by Months, and by Age, 1876.

COUNTIES.	SEX.	Year, 1876.	MONTHS, 1876.												AGES IN PERIODS OF YEARS, 1876.																			
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.	
Baraga.....	Total.....	27	3	...	...	4	2	1	1	3	3	3	3	4	...	13	...	1	2	...	2	1	...	...	...	2	1	1	1	1	1	...	...	...
	Males.....	12	2	...	...	3	1	1	1	1	...	1	1	1	...	5	...	1	1	...	1	...	...	...	...	...	1	1	1	1	...	...	...
	Females..	15	1	...	...	1	1	...	...	2	3	2	2	3	...	8	...	...	1	...	1	1	...	...	2	...	...	...	...	...	...	...	...
Barry.....	Total.....	196	15	13	10	15	10	10	12	21	28	24	17	18	3	66	15	14	6	4	13	7	6	7	7	5	9	7	5	10	5	8	2	...
	Males.....	95	9	6	1	7	6	7	7	11	13	13	6	7	2	37	7	6	3	...	7	3	3	3	4	3	7	2	1	2	3	2	2	...
	Females..	100	6	7	9	8	4	3	5	10	15	10	11	11	1	28	8	8	3	4	6	4	3	4	3	2	2	5	4	8	2	6	...	
Bay.....	Total.....	1	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Males.....	257	10	13	18	14	19	13	26	37	25	26	30	26	...	152	10	7	15	8	5	6	9	3	9	6	6	5	6	2	1	1	...	
	Females..	122	3	7	11	8	9	8	9	15	13	11	14	14	...	73	3	2	9	6	2	6	3	2	3	4	1	2	2	1	1	...	...
Benzie.....	Total.....	26	3	2	...	2	1	3	1	1	5	2	4	2	...	10	...	...	1	...	1	3	...	...	...	1	1	3	1	1	...	2	2	...
	Males.....	11	...	...	...	2	1	2	...	1	3	...	1	1	...	5	...	...	...	...	...	...	...	...	...	...	1	2	1	...	...	1	1	...
	Females..	15	3	2	...	...	...	1	1	...	2	2	3	1	...	5	...	...	1	...	1	3	...	...	...	1	...	1	...	1	...	1	1	...
Berrien.....	Total.....	335	19	31	25	22	21	15	22	53	49	26	20	30	2	130	15	16	11	14	19	13	6	10	10	10	11	17	16	10	6	10	...	
	Males.....	186	13	13	10	14	9	6	13	33	29	13	8	16	...	83	7	5	8	6	9	7	5	5	5	5	6	6	7	8	4	2	8	...
	Females..	149	6	18	6	8	12	9	9	20	20	13	12	14	2	47	8	11	3	8	10	6	1	5	5	5	5	5	10	8	6	4	2	...

DEATHS—BY COUNTIES, BY SEX, BY MONTHS, BY AGE.

145

Branch.....	Total.....	369	19	21	21	28	18	14	19	44	51	24	26	23	..	93	27	19	12	8	8	10	7	12	9	13	18	12	10	9	16	12	1			
	Males.....	151	8	9	14	15	7	8	7	18	31	14	13	7	..	50	20	7	2	2	4	5	3	6	4	5	6	7	5	4	10	5	6			
	Females..	156	11	12	7	13	11	6	12	26	20	10	15	13	..	41	7	12	10	6	4	5	4	6	5	8	12	5	5	6	7	8	..			
	Unknown	2	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Calhoun.....	Total.....	238	4	9	19	15	18	15	12	29	38	20	32	..	50	17	6	10	9	10	10	7	12	11	18	10	18	12	17	10	7	4	..			
	Males.....	124	3	4	6	8	10	10	7	14	15	13	13	21	..	28	..	2	5	1	2	3	4	6	9	7	8	12	8	11	5	4	2	..		
	Females..	112	1	5	13	7	8	4	5	15	14	22	7	11	..	21	10	4	5	8	8	7	3	0	2	11	2	6	4	6	5	3	..			
	Unknown	2	..	..	..	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Cass.....	Total.....	189	6	8	12	10	20	13	16	16	34	17	14	23	..	68	13	7	8	8	11	4	8	5	7	3	4	8	9	8	12	5	1	..		
	Males.....	92	5	4	6	5	9	6	9	9	17	10	3	9	..	36	4	4	2	1	5	2	4	1	5	2	2	5	6	4	7	2	1	..		
	Females..	97	1	4	6	5	11	7	7	7	17	7	11	14	..	32	9	3	6	7	6	2	4	4	2	1	2	3	4	4	5	3	..			
	Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Charlevoix..	Total.....	33	1	1	..	4	3	5	4	4	5	3	2	..	16	5	..	2	2	3	..	..	..	..	1	..	..	..	..	..	..	..	..	..
	Males.....	18	1	..	..	1	4	2	3	1	..	1	..	..	9	3	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Females..	15	..	1	..	2	1	2	1	2	1	4	3	1	..	7	2	..	2	1	2	
Cheboygan..	Total.....	14	1	..	1	..	2	1	1	1	1	..	2	..	4	2	..	2	1	1	
	Males.....	8	1	..	1	..	2	1	1	1	3	1	1	
	Females..	6	1	..	2	..	1	1	..	2
Chippewa...	Total.....	31	1	..	1	2	1	5	5	6	4	2	1	1	14	2	..	2	2	2	4	..	..	1	1	1	1	..	..	..	..	..	..	..
	Males.....	16	1	..	1	..	1	1	3	4	2	1	..	1	8	..	1	..	1	2	1	1	1	
	Females..	14	4	4	2	2	2	1	1	..	5	2	..	1	2	..	3	1	
	Unknown	1	1
Clare.....	Total.....	16	2	4	4	2	3	1	10	1	..	2	1	1	..	1	
	Males.....	11	3	2	2	3	7	1	1	1
	Females..	5	1	2	..	1	2	..	3	1

DEATHS—BY COUNTIES, BY SEX, BY MONTHS, BY AGE.

Branch.....	Total.....	369	107	21	21	28	15	14	19	44	51	24	28	22	93	27	10	12	8	5	10	7	12	9	13	15	12	10	9	16	12	14	
	Males.....	131	8	9	14	15	7	8	7	18	31	14	13	7	50	20	7	2	2	4	5	3	6	4	5	6	7	5	4	10	5	6	
	Females..	126	11	12	7	13	11	6	12	26	20	10	15	13	41	7	12	10	6	4	5	4	6	5	8	12	5	5	5	6	7	8	
	Unknown	2	--	--	--	--	--	--	--	--	--	--	--	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Calhoun.....	Total.....	238	4	9	19	15	18	15	12	29	29	36	20	32	50	17	6	10	9	10	10	7	12	11	18	10	18	12	17	10	7	4	
	Males.....	124	3	4	6	8	10	10	7	14	15	13	13	21	28	7	2	5	1	2	3	4	6	9	7	8	12	6	11	5	4	2	
	Females..	112	1	5	13	7	8	4	5	15	14	22	7	11	21	10	4	5	8	8	7	3	6	2	11	2	6	4	6	3	1		
	Unknown	2	--	--	--	--	--	1	--	--	--	1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	
Cass.....	Total.....	189	6	8	12	10	20	13	16	16	34	17	14	23	68	13	7	8	8	11	4	8	5	7	3	4	8	9	8	12	5	1	
	Males.....	92	5	4	6	5	9	6	9	9	17	10	3	9	36	4	4	2	1	5	2	4	1	5	2	2	5	5	4	7	2	1	
	Females..	97	1	4	6	5	11	7	7	7	17	7	11	14	32	9	3	6	7	6	2	4	4	2	1	2	3	4	5	3	--		
	Unknown	33	1	1	--	--	4	3	5	1	4	5	3	2	16	5	--	2	2	3	--	--	--	1	--	--	--	--	--	--	--	1	
Charlevoix..	Total.....	18	1	--	--	--	4	1	4	1	2	3	1	1	9	3	--	--	1	1	--	--	--	--	--	--	--	--	--	--	--	1	
	Males.....	15	--	1	--	--	2	1	--	--	2	1	4	3	7	2	--	2	1	2	--	--	--	1	--	--	--	--	--	--	--	1	
	Females..	14	1	--	1	--	2	1	4	1	1	1	--	2	4	2	--	2	--	--	1	--	--	1	--	--	--	--	--	--	--	2	1
	Unknown	8	1	--	1	--	2	1	1	1	1	--	--	--	3	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	2	1
Cheboygan..	Total.....	6	--	--	--	--	--	--	3	--	--	1	--	2	1	1	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	Males.....	31	1	--	1	2	1	5	2	5	6	4	2	1	14	2	--	2	2	2	4	--	--	1	1	--	1	--	--	--	--	--	
	Females..	16	1	--	1	--	1	1	1	3	4	2	1	--	8	--	--	1	--	2	1	--	--	1	1	--	--	--	--	--	--	--	
	Unknown	14	--	--	--	1	--	4	1	2	2	1	1	--	5	2	--	1	2	--	3												
Chippewa....	Total.....	1	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	Males.....	31	1	--	1	2	1	5	2	5	6	4	2	1	14	2	--	2	2	2	4	--	--	1	1	--	1	--	--	--	--	--	
	Females..	16	1	--	1	--	1	1	1	3	4	2	1	--	8	--	--	1	--	2	1	--	--	1	1	--	--	--	--	--	--	--	
	Unknown	14	--	--	--	1	--	4	1	2	2	1	1	--	5	2	--	1	2	--	3												
Clare.....	Total.....	16	--	--	--	--	--	--	2	4	4	2	3	1	10	--	--	1	--	2	1	--	--	1	--	--	1	--	--	--	--	--	
	Males.....	11	--	--	--	--	--	--	1	3	2	2	3	--	7	--	--	1	--	1	1	--	--	1	--	--	--	--	--	--	--	--	
	Females..	5	--	--	--	--	--	--	1	1	2	--	--	1	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE X.—CONTINUED.—Deaths by Counties, by Sex, by Months, and by Age, 1876.

COUNTIES.	SEX.	MONTHS, 1876.												AGES IN PERIODS OF YEARS, 1876.																				
		Year, 1876.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.	
Ionia.....	Total.....	231	11	9	18	26	14	20	22	35	28	17	14	17	..	81	8	6	10	17	8	9	8	6	11	4	10	10	10	11	8	13	1	..
	Males.....	114	4	6	7	15	8	11	8	16	15	9	7	8	..	43	4	1	5	5	5	2	2	4	4	2	4	7	8	7	8	7	1	..
	Females....	113	7	3	11	11	6	9	14	15	13	8	7	9	..	34	4	5	5	12	3	7	6	2	7	2	6	3	2	4	5	6	..	..
	Unknown....	4	..	..	..	..	..	..	..	4	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Josco.....	Total.....	40	3	2	2	5	5	..	..	7	5	7	3	1	..	21	3	2	2	1	1	1	1	2	1	2	..	..	..	..	..	..	..	..
	Males.....	21	2	1	..	3	4	..	..	5	2	1	3	..	..	14	1	1	1	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..
	Females....	19	1	1	2	2	1	..	..	2	3	6	..	1	..	7	2	1	1	..	..	1	2	1	..	1	..	..	..	..	..	..	..	..
	Unknown....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Isabella.....	Total.....	84	5	7	9	7	5	9	8	10	6	8	3	6	1	41	9	2	4	5	..	2	5	1	3	1	1	1	1	2	1	3	8	..
	Males.....	37	1	6	4	1	1	4	5	5	1	4	2	3	..	21	3	1	1	2	..	..	1	..	2	..	..	..	..	..	..	..	..	..
	Females....	47	4	1	5	6	4	5	3	5	5	4	1	3	1	20	6	1	3	3	..	2	4	1	1	1	1	1	1	1	1	1	1	1
	Unknown....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kalamazoo.....	Total.....	324	16	23	22	19	31	26	21	41	34	26	29	..	..	94	14	8	14	8	6	17	15	14	19	14	16	15	20	13	14	15	3	..
	Males.....	176	12	8	10	10	17	14	12	19	22	21	13	18	..	51	7	4	6	2	4	9	11	4	11	7	10	11	12	9	7	10	1	..
Jackson.....	Total.....	331	13	18	31	27	30	21	26	34	37	35	27	32	..	124	9	14	10	20	15	10	13	12	14	6	15	6	15	17	10	14	2	..
	Males.....	175	4	10	16	14	11	13	14	14	20	20	18	21	..	70	5	6	2	10	4	3	5	5	8	3	12	5	10	8	6	10	1	..
Kalamazoo.....	Total.....	156	9	8	15	13	19	8	12	20	17	15	9	11	..	54	4	6	8	10	11	7	13	7	6	3	3	1	5	9	4	1	1	..
	Males.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

DEATHS—BY COUNTIES, BY SEX, BY MONTHS, BY AGE.

149

County	Sex	Age												Total
		Under 5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60	
Kent	Females	5	1	2	...	...	...	...	...	...	...	...	...	...
	Total	612	33	55	51	57	25	45	69	89	72	47	40	58
	Males	332	22	25	23	28	16	23	32	49	43	31	16	24
	Females	275	10	10	28	28	9	21	27	40	29	16	22	34
Keweenaw	Unknown	5	1	...	...	1	...	1	...	...	...	...	2	...
	Total	74	5	9	2	11	9	9	3	5	5	7	4	5
	Males	30	1	2	...	4	3	7	2	4	4	2	1	...
	Females	35	4	5	2	7	6	2	1	1	1	3	...	3
Lake	Unknown	9	...	2	...	...	...	...	...	...	...	2	3	2
	Total	13	...	2	1	2	2	3	3	...	...	...	...	6
	Males	7	...	1	1	1	1	1	2	...	...	...	...	3
	Females	6	...	1	...	1	1	2	1	...	...	...	...	3
Lapeer	Total	173	6	5	8	14	18	10	13	14	34	18	13	20
	Males	83	4	2	5	2	7	8	8	7	14	8	7	11
	Females	90	2	3	3	12	11	2	5	7	20	10	6	9
Leelanaw	Total	40	2	2	2	1	7	7	9	5	1	1	1	2
	Males	20	1	1	1	1	2	4	5	1	1	1	...	2
	Females	20	1	1	1	...	5	3	4	4	...	...	1	...
Lenawee	Total	395	29	27	21	30	32	24	34	39	44	46	35	34
	Males	200	17	14	10	14	12	10	18	21	20	26	20	18
	Females	195	12	13	11	16	20	14	16	18	24	20	15	16

1876-19

DEATHS—BY COUNTIES, BY SEX, BY MONTHS, BY AGE.

149

[illegible]

DEATHS—BY COUNTIES, BY SEX, BY MONTHS, BY AGE.

	250	35	34	39	21	24	22	24	27	27	21	17	21	134	5	11	7	11	10	14	17	8	7	5	5	2	4	3	3	1
Total.....																														
Marquette.....	146	10	4	11	35	21	14	14	15	8	13	10	11	69	1	10	5	5	6	12	10	7	5	5	3	3	1	1	1	1
Males.....																														
Females.....	104	3	10	8	6	3	8	10	12	19	8	7	10	63	4	1	2	6	4	2	7	1	2	2	2	2	1	2	1	2
Mason.....	63	3	3	1	3	11	7	2	5	11	8	4	5	30	4	3	4	4	2				1	4	1	2	1	4	1	1
Total.....																														
Males.....	37	1	--	1	3	8	5	2	1	7	3	3	3	20	2	----	2	3	1				1	3	----	1	1	1	1	1
Females.....	26	2	3	----	----	3	2	----	4	4	5	1	2	10	2	3	2	1	1				1	----	1	1	1	3	----	1
Mecosta.....	46	2	2	5	5	4	3	4	3	5	6	1	6	16	4	1	1	2	4				3	2	1	2	1	3	1	1
Total.....																														
Males.....	26	1	1	4	3	1	1	2	2	2	5	1	3	9	3	----	----	----	1				1	1	1	1	3	3	1	1
Females.....	20	1	1	1	2	3	2	2	1	3	1	----	3	7	1	1	1	2	3				2	1	----	1	----	----	----	1
Menominee.....	20	----	1	1	----	----	2	----	8	2	----	4	1	1	13	1	----	----	1	2			1	----	1	----	----	----	----	1
Total.....																														
Males.....	13	----	1	1	----	1	----	5	1	----	4	----	7	1	7	1	----	1	2				1	----	1	----	----	----	----	1
Females.....	6	----	----	----	----	----	1	3	1	----	1	----	1	5	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1
Unknown.....	1	----	----	----	----	----	----	----	----	----	----	----	1	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Midland.....	40	3	1	5	3	1	1	3	8	3	5	3	4	22	2	2	----	1	4				1	1	2	1	1	1	1	1
Total.....																														
Males.....	17	3	1	2	1	----	1	1	3	1	1	2	1	8	1	----	----	1	1				1	1	1	1	1	1	1	1
Females.....	23	----	----	3	2	1	----	2	5	2	4	1	3	14	1	2	----	1	3				----	----	1	1	----	----	----	1
Missaukee.....	5	1	----	1	----	2	----	----	----	----	1	----	1	----	1	----	1	1	1				1	----	1	1	1	1	1	1

TABLE X.—CONTINUED.—Deaths by Counties, by Sex, by Months, and by Age, 1876.

COUNTIES.	SEX.	Year, 1876.	MONTHS, 1876.												AGES IN PERIODS OF YEARS, 1876.																				
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.		
Montcalm.....	Total.....	152	5	9	17	12	22	15	4	22	19	10	12	4	1	74	3	3	3	12	12	9	4	8	2	3	3	3	3	2	3	2	3	2	3
	Males.....	80	2	5	11	7	9	11	2	12	7	6	5	3	..	33	2	2	1	6	6	5	3	5	1	1	3	3	1	2	2	2	2	2	
	Females...	72	3	4	6	5	13	4	2	10	12	4	7	1	1	41	1	1	2	6	6	4	1	3	1	2	..	..	1	1	1	..	1	1
Muskegon.....	Total.....	120	9	10	3	8	6	12	13	20	6	9	10	14	..	64	8	1	3	2	1	6	6	4	2	4	2	4	4	3	2	..	4	4	
	Males.....	63	4	7	2	5	3	8	11	8	4	4	7	5	..	40	2	..	1	1	..	3	5	2	1	2	1	3	2	1	..	2	1	2	
	Females...	57	5	3	1	3	3	4	2	12	2	5	3	9	..	24	6	1	2	1	1	3	1	2	1	2	1	1	2	1	1	..	2	2	
Newaygo.....	Total.....	68	2	3	7	11	4	8	3	6	10	4	4	6	..	31	1	3	4	1	3	2	6	1	1	3	1	3	1	1	2	2	2	2	
	Males.....	37	..	3	2	5	2	2	1	4	8	3	2	5	..	18	..	3	3	..	1	1	1	1	..	1	1	1	1	1	1	1	1	1	
	Females...	30	2	..	5	5	2	6	2	2	2	1	2	1	..	12	1	..	1	2	1	5	..	1	2	..	2	..	..	..	..	1	1	1
	Unknown.	1	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Oakland.....	Total.....	298	16	21	21	21	20	13	30	24	24	27	23	28	..	64	12	10	9	19	10	11	7	13	10	6	12	14	20	19	7	13	7	7	
	Males.....	147	11	12	10	8	13	5	16	17	16	10	13	16	..	39	6	4	7	9	5	6	2	5	6	3	6	8	10	12	5	11	4	4	
	Females...	120	5	9	10	13	7	8	14	7	8	17	10	12	..	24	6	6	2	10	5	6	5	8	4	3	6	8	10	7	2	7	3	3	
Oceana.....	Total.....	83	5	4	8	6	3	6	1	10	8	9	10	13	..	37	6	5	5	4	1	1	2	3	1	5	3	3	1	3	1	2	1	2	
	Males.....	45	2	2	6	1	2	2	1	7	4	4	7	7	..	24	4	1	2	1	1	..	1	..	1	2	..	2	..	1	3	..	2	..	
	Females...	38	3	2	2	5	1	4	..	3	4	5	3	6	..	13	2	4	3	3	..	1	3	..	3	1	3	1	3	..	1	..	1	..	

DEATHS—BY COUNTIES, BY SEX, BY MONTHS, BY AGE.

153

[illegible]

County clerk made returns saying "No deaths reported," which is construed as meaning that the supervisors neglected to make returns of deaths to him.

TABLE X.—CONTINUED.—Deaths by Counties, by Sex, by Months, and by Age, 1876.

COUNTIES.	SEX.	MONTHS, 1876.												AGES IN PERIODS OF YEARS, 1876.																						
		Year, 1876.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.			
Sanilac.....	Total.....	144	5	7	7	19	11	12	14	15	13	19	7	15	..	83	5	2	4	5	4	1	2	2	3	3	9	2	2	5	6	3	4	2	..	
	Males.....	82	4	3	5	8	7	5	8	9	8	12	3	10	..	47	2	2	3	..	2	..	1	2	2	2	5	1	2	2	6	2	3	..	..
	Females...	62	1	4	2	11	4	7	6	6	5	7	4	5	..	36	3	..	..	5	2	1	1	..	1	4	1	..	3	..	1	1	2	..	..
Schoolcraft.....	Total.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Males.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Females...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Shiawassee.....	Total.....	189	12	18	17	12	17	7	10	19	25	16	17	18	1	62	18	5	..	12	10	6	4	4	5	7	5	6	8	9	3	11	4	..	..
	Males.....	96	5	8	7	5	9	4	4	10	12	10	1	10	1	30	9	1	3	6	6	3	1	3	2	5	2	5	3	7	2	6	2	..	..
	Females...	93	7	10	10	7	8	3	6	9	13	6	6	8	..	32	9	4	8	6	4	3	3	1	3	2	3	..	5	2	1	5	2	..	..
St. Clair.....	Total.....	336	15	27	27	34	20	20	21	42	41	28	30	29	2	135	16	9	18	19	15	7	6	9	11	6	16	9	15	11	11	17	6	..	..
	Males.....	181	10	15	8	17	11	13	13	29	23	14	16	11	1	72	11	4	7	8	4	5	3	3	6	4	12	6	10	8	6	10	2	..	..
	Females...	152	5	12	18	16	9	7	8	13	18	14	14	17	1	61	5	5	11	11	11	2	3	6	5	2	4	3	5	3	5	7	3	..	..
St. Joseph.....	Total.....	3	1	1	1	..	2
	Males.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Females...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuscola.....	Total.....	125	7	5	12	3	5	16	21	9	15	15	5	12	..	48	9	4	9	9	6	8	3	2	8	3	5	6	1	3	2	1	1	..	..
	Males.....	55	6	1	7	1	2	4	8	3	7	8	2	6	..	23	4	4	2	5	2	2	1	..	1	..	1	4	1	2	2	1	..	..
	Females...	70	1	4	5	2	3	12	13	6	8	7	3	6	..	25	5	..	7	4	4	6	2	2	2	3	4	2	2	1	..	..	1	..	..

DEATHS—BY COUNTIES, BY SEX, BY MONTHS, BY AGE.

155

Van Buren..	Total.....	226	14	12	22	21	29	11	19	24	29	31	23	20	1	80	9	12	9	13	6	12	17	5	13	9	13	9	15	9	12	4	
	Males.....	127	8	6	9	13	16	5	11	12	12	17	6	11	1	42	4	4	4	6	2	8	3	4	9	4	7	5	8	5	6	4	
Females...		129	6	6	13	8	13	6	8	12	17	14	17	9	..	38	5	8	5	7	4	4	14	1	4	5	6	4	7	4	3	8	
	Total.....	302	14	26	26	25	19	24	32	33	20	36	32	1	84	13	5	10	12	12	14	7	9	12	11	15	9	18	22	12	17	13	
Washtenaw..	Males	182	8	8	20	16	15	11	11	18	21	12	23	18	1	44	6	2	4	7	6	9	4	6	9	9	9	4	14	20	9	10	
	Females...	120	6	6	6	10	10	8	13	14	12	8	13	14	..	40	7	3	6	5	6	5	3	3	3	2	6	5	4	9	3	7	
Wayne	Total.....	2,242	145	169	186	181	173	134	261	290	288	153	138	234	10	993	130	59	96	93	90	75	86	63	47	64	64	67	64	66	66	81	
	Males	1,266	88	85	108	106	104	81	140	147	108	89	87	136	6	551	77	31	46	44	52	40	52	35	36	85	44	44	38	33	34	32	43
Females...		967	57	83	78	74	69	73	121	111	79	73	51	97	1	440	43	28	59	49	38	35	34	28	11	29	20	23	26	23	24	34	33
	Unknown..	9	..	1	..	1	2	1	1	3	2	7
Wexford.....	Total.....	23	3	2	1	2	5	..	6	3	..	..	..	1	..	13	..	..	..	1	1	1	..	1	2	..	..	..	2	1	..	1
	Males	11	1	1	..	1	1	..	3	3	..	..	..	1	..	8	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	1
Females...		12	2	1	1	1	4	..	3	..	..	..	..	..	..	5	..	..	..	1	1	1	1	1	..	..	..	..	2	1	..	..

*No returns of Deaths for 1876 from Supervisors to County Clerk.

VITAL STATISTICS OF MICHIGAN, 1876.

COLOR OF PERSONS WHO DIED IN MICHIGAN IN 1876.

It is to be regretted that the State Census law does not provide for ascertaining the color of inhabitants, and therefore the death-rate by color cannot well be studied for the year 1876, because the proportions of inhabitants by color may have changed since the U. S. Census of 1870. But Table XI. still contains items of interest,—one being that nearly 96 per cent of the deaths returned as having occurred in this State in 1876 were of white persons.

Table XII. permits a study of the details respecting color of decedents in 1876 in each county in the State.

TABLE XI.—Deaths Returned as having occurred in Michigan during the Year 1876, distinguishing the Color by Number and Proportion of each Sex, and by Sex, the Per Cent of Decedents of each Color to Total of All Colors.

COLOR.	SEX.	No. of Deaths Returned.	Per Cent of Deaths of Each Sex to Total of Both Sexes.	Males to 100 Females.	Per Cent of Deaths of each Color to Total of All Colors, by Sex.
All Colors.....	Total.....	12,576	-----	-----	100.00
	Males.....	6,766	53.97	117.27	100.00
	Females.....	5,761	46.03	-----	100.00
	Unknown.....	59	-----	-----	100.00
White.....	Total.....	12,069	-----	-----	95.97
	Males.....	6,500	54.00	117.41	96.21
	Females.....	5,536	46.00	-----	96.09
	Unknown.....	83	-----	-----	55.93
Black.....	Total.....	113	-----	-----	.90
	Males.....	68	60.71	154.55	1.01
	Females.....	44	39.29	-----	.76
	Unknown.....	1	-----	-----	1.09
Mulatto.....	Total.....	38	-----	-----	.30
	Males.....	24	63.16	171.43	.36
	Females.....	14	36.84	-----	.24
Indian.....	Total.....	156	-----	-----	1.24
	Males.....	80	51.28	105.26	1.18
	Females.....	76	48.72	-----	1.32
Unknown.....	Total.....	200	-----	-----	1.69
	Males.....	84	42.00	92.31	1.24
	Females.....	91	52.00	-----	1.58
	Unknown.....	25	-----	-----	42.34
Black and Mulatto.....	Total.....	151	-----	-----	1.20
	Males.....	92	61.33	158.62	1.36
	Females.....	58	38.67	-----	1.01
	Unknown.....	1	-----	-----	1.09

TABLE XII.—*Exhibiting, by Number and by Sex, for the State and Counties, the Color of All Persons Returned as having Died in Michigan during the Year ending December 31, 1876.*

STATE AND COUNTIES.	ALL COLORS,—1876.				WHITE.				BLACK.				MULATTO.			INDIAN.			UNKNOWN.		
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.
State	12,576	6,756	5,761	59	12,069	6,500	5,536	33	113	68	44	1	38	24	14	126	80	76	200	84	91
Alcona	8	5	3	..	8	5	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Allegan	311	172	139	..	310	172	138	..	1	..	1	..	..	..	..	..	..	..	..	..	..
Alpena	43	21	22	..	42	21	21	..	..	..	..	..	1	..	1	..	..	..	..	..	..
Antrim	19	14	4	1	17	13	4	..	..	..	..	..	..	..	..	1	1	..	1	..	1
Baraga	27	12	15	..	15	6	10	..	..	..	..	..	..	..	..	12	7	5	..	..	..
Barry	196	95	100	1	196	95	100	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Bay	257	135	122	..	119	67	52	..	..	..	..	..	..	..	..	4	3	1	134	65	69
Benzie	26	11	15	..	25	10	15	..	1	1	..	..	..	..	..	..	..	..	..	..	..
Berrien	335	186	149	..	320	173	147	..	4	9	8	1	6	5	1	..	..	..	..	..	..
Branch	309	151	156	2	309	151	156	2	..	..	..	..	..	..	..	..	..	..	..	..	..
Calhoun	238	124	112	2	230	121	109	..	3	2	1	..	..	..	..	1	..	1	4	1	2
Cass	189	92	97	..	169	80	89	..	7	4	3	..	13	8	5	..	..	..	..	..	..
Charlevoix ..	33	18	15	..	23	13	10	..	..	..	..	..	..	..	..	10	5	5	..	..	..
Cheboygan ..	14	8	6	..	10	7	3	..	..	..	..	..	..	..	..	4	1	3	..	..	..
Chippewa ..	31	16	14	1	19	10	8	1	..	..	..	..	..	..	..	12	6	6	..	..	..
Clare	16	11	5	..	16	11	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Clinton	187	95	91	1	186	95	91	..	..	..	..	..	..	..	..	..	..	1	..	..	1
Delta	38	20	18	..	35	18	17	..	..	..	..	..	..	..	..	3	2	1	..	..	..
Eaton	236	124	112	..	233	121	112	..	3	3	..	..	..	..	..	..	..	..	..	..	..
Emmet	65	32	32	1	21	6	15	..	..	..	..	..	..	..	..	43	26	17	1	..	1
Genesee	255	138	117	..	254	138	116	..	1	..	1	..	..	..	..	..	..	..	..	..	..
Gladwin	1	..	1	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gr. Traverse ..	45	23	22	..	45	23	22	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gratiot	89	47	42	..	89	47	42	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hillsdale	213	110	103	..	213	110	103	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Houghton	183	109	74	..	182	108	74	..	..	..	..	..	..	..	..	1	1	..	..	..	..
Huron	82	46	35	1	82	46	35	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Ingham	255	142	111	2	253	140	111	2	1	1	..	..	1	1	..	..	..	..	..	..	..

a Includes 13 males and 7 females "Colored," and 1 male "African and Indian."

b Includes 10 males and 10 females White and Indian, and 2 males and 2 females "Half-breed."

c Includes 4 males and 3 females White and Indian.

d Includes 2 males "Colored."

e Includes 2 males and 1 female "Colored."

f Includes 1 female "Half-breed."

g Includes 5 males and 6 females White and Indian.

h Includes 1 male and 1 female "Half-breed."

i Includes 1 male "African and Indian."

j Includes 1 male White and Indian.

k Includes 1 male "Half-breed."

l Includes 1 male "Colored."

TABLE XII.—CONTINUED.—Deaths by Counties, by Color, and by Sex.

COUNTIES.	ALL COLORS,—1876.				WHITE.				BLACK.				MULATTO.			INDIAN.			UNKNOWN.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Unknown.
Ionia	231	114	113	4	231	114	113	4														
Iosco	40	21	19	..	40	21	19	..														
Isabella	84	37	47	..	56	28	28	..								28	9	19				
Isle Royal	5	5			5	5																
Jackson	331	175	156	..	330	175	155	..											1		1	..
Kalamazoo	324	176	148	..	307	170	137	..	3	1	2	..							14	5	9	..
Kalkaska	18	8	5	..	13	8	5	..														
Kent	612	332	275	5	599	329	270	..	a	4	1	2	1	5	2	3			4			4
Keweenaw	74	30	35	9	65	28	35	2											9	2		7
Lake	13	7	6	..	13	7	6	..														
Lapeer	173	93	90	..	173	83	90	..														
Leelanaw	40	20	20	..	26	13	13	..								14	7	7				
Lenawee	395	200	195	..	385	194	191	..	a	7	5	2	..	2	1	1			1		1	..
Livingston	158	85	71	2	157	85	71	1											1			1
Mackinac	23	18	5	..	21	16	5	..								1	1		1	1		..
Macomb	260	150	110	..	258	149	109	..	2	1	1	..										
Manistee	74	51	23	..	74	51	23	..														
Manitou	3	2	1	..	3	2	1	..														
Marquette	250	146	104	..	249	146	103	..	1		1	..										
Mason	63	37	26	..	58	35	23	..								5	2	3				..
Mecosta	46	26	20	..	46	26	20	..														
Menominee	20	13	6	1	19	13	5	1								1		1				..
Midland	40	17	23	..	40	17	23	..														
Missaukee	5	2	3	..	5	2	3	..														
Monroe	196	103	92	1	196	103	92	1														
Montcalm	152	80	72	..	143	76	67	..											9	4	5	..
Muskegon	120	68	52	..	118	67	51	..	b	2	1	1	..									
Newaygo	68	37	30	1	68	37	30	1														
Oakland	268	147	120	1	260	143	117	..	c	4	2	2	..						4	2	1	1
Oceana	83	45	38	..	73	38	35	..								4	10	7	3			..
Ogemaw	4	2	2	..	4	2	2	..														
Ontonagon	24	14	10	..	23	14	9	..								1		1				..
Osceola	68	38	30	..	68	38	30	..														

a Includes 1 female "Colored."

b Includes 1 male and 1 female, "Colored."

c Includes 1 male, "Colored."

d Includes 1 female White and Indian.

TABLE XII.—CONTINUED.—*Deaths by Counties, by Color, and by Sex.*

COUNTIES.	ALL COLORS,—1876.				WHITE.				BLACK.				MULATTO.				INDIAN.				UNKNOWN.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.
Otsego	4	2	2	..	4	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ottawa	289	133	126	..	255	131	124	..	2	1	1	..	..	..	..	..	2	1	1	..	..	..	..	..
Presq. Isle..	13	10	3	..	13	10	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Roscommon..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Saginaw	503	251	241	11	495	247	238	10	6	1	1	..	2	1	1	..	3	1	2	..	2	1	..	1
Sanilac	144	82	62	..	144	82	62	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Schoolcraft..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Shiawassee ..	189	96	93	..	189	96	93	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
St. Clair	336	181	152	3	329	178	148	3	..	..	..	..	..	..	..	..	..	..	..	..	7	3	4	..
St. Joseph ..	219	114	105	..	219	114	105	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuscola	125	65	70	..	125	65	70	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Van Buren ..	256	127	129	..	250	122	128	..	6	4	3	1	..	2	2	..	..	..	..	..	..	..	..	..
Washtenaw ..	302	162	120	..	296	178	118	..	6	6	4	2	..	..	..	..	..	..	..	..	..	..	..	..
Wayne	2,242	1,266	967	9	2,179	1,233	943	3	4	51	39	22	..	6	4	2	..	..	..	..	6	..	..	6
Wexford	23	11	12	..	23	11	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* No returns of deaths from county clerk.

† Includes 1 male "Colored."

‡ Includes 2 males "Colored."

§ Includes 2 males and 3 females "Colored."

DEATHS OF NATIVE AND OF FOREIGN-BORN INHABITANTS.

Exhibit 6 shows, for each of the years, 1872-1876, the number and per cent of decedents of each nativity in Michigan, according to the returns. The average proportion of the native-born decedents for seven years is 80.73. The proportion of native-born inhabitants in 1870 was 77.57 per cent. It should be borne in mind that the deaths of the native-born include all still-born children, most of the deaths of infants, and a large proportion of the deaths of children, among whom the death-rate is very large, compared with that of persons in middle life.

Table XIII. permits of studying the subject of nativity of decedents in Michigan in 1876 in each county in the State.

EXHIBIT 6.—*Nativity of Persons Returned as having Died in Michigan during each of the years 1872–1876, showing the Number and the Per Cent which the Native and the Foreign-born Decedents are of the Total of All Nativities, and the Average Number and Per Cent for the Seven Years ending with 1876.*

NATIVITY OF DECEDENTS.	DEATHS, 1872.		DEATHS, 1873.		DEATHS, 1874.		DEATHS, 1875.		DEATHS, 1876.		Av. of 7 years, ending with 1875.	
	Num- ber.	PerCt. of Total.	Num- ber.	PerCt. of Total.	Num- ber.	PerCt. of Total.	Num- ber.	PerCt. of Total.	Num- ber.	PerCt. of Total.	Num- ber.	PerCt. of Total.
All Nativities.....	13,371	100.00	14,253	100.00	12,500	100.00	11,990	100.00	12,576	100.00	11,680	100.00
Native-born.....	10,812	80.86	11,602	81.37	9,937	79.50	9,573	79.84	10,147	80.69	9,429	80.78
Foreign-born.....	2,146	16.05	2,340	16.41	2,128	17.02	2,106	17.57	2,078	16.52	1,887	16.36
Unknown.....	413	3.09	316	2.22	435	3.48	311	2.59	351	2.79	363	3.11

TABLE XIII.—*Exhibiting by Number and by Sex, for the State and Counties, the Nativity of all Persons Returned as having Died in Michigan during the Year ending December 31, 1876.*

STATE AND COUNTIES.	ALL NATIVITIES,—1876.				NATIVE.				FOREIGN.			UNKNOWN.			
	Total.	Males.	Fe- males.	Unk.	Total.	Males.	Fe- males.	Unk.	Total.	Males.	Fe- males.	Total.	Males.	Fe- males.	Unk.
STATE.....	12,576	6,736	5,761	59	10,147	5,355	4,747	45	2,078	1,206	872	351	195	142	14
Alcona.....	8	5	3	---	4	3	1	---	4	3	2	---	---	---	---
Allegan.....	311	172	139	---	257	139	118	---	46	26	20	8	7	1	---
Alpena.....	43	21	22	---	32	19	13	---	11	3	9	---	---	---	---
Antrim.....	19	14	4	1	16	11	4	1	2	2	---	1	1	---	---
Baraga.....	27	12	15	---	17	7	10	---	5	1	4	5	4	1	---
Barry.....	196	95	100	1	172	83	88	1	20	9	11	4	3	1	---
Bay.....	257	135	122	---	190	96	94	---	55	32	23	12	7	5	---
Benzie.....	26	11	15	---	21	9	12	---	4	2	2	1	---	1	---
Berrien.....	335	186	149	---	287	160	127	---	32	16	16	16	10	6	---
Branch.....	309	151	156	2	286	142	143	1	14	7	7	9	2	6	1
Calhoun.....	238	124	112	2	201	99	100	2	31	20	11	6	5	1	---
Cass.....	189	92	97	---	180	90	90	---	8	2	6	1	---	1	---
Charlevoix.....	33	18	15	---	31	17	14	---	1	---	1	1	1	---	---
Cheboygan.....	14	8	6	---	8	4	4	---	4	3	1	2	1	1	---
Chippewa.....	31	16	14	1	22	11	10	1	9	5	4	---	---	---	---
Clare.....	16	11	5	---	11	7	4	---	5	4	1	---	---	---	---
Clinton.....	187	95	91	1	169	87	81	1	18	8	10	---	---	---	---
Delta.....	38	20	18	---	27	12	15	---	10	7	3	1	1	---	---
Eaton.....	236	124	112	---	215	116	99	---	14	5	9	7	3	4	---

* 7 males and 3 females "America." † 1 male and 1 female "America."

TABLE XIII.—CONTINUED.—*Deaths by Counties, Nativity, and Sex.*

COUNTIES.	ALL NATIVITIES,—1876.				NATIVE.				FOREIGN.			UNKNOWN.			
	Total.	Males.	Fe- males.	Unk.	Total.	Males.	Fe- males.	Unk.	Total.	Males.	Fe- males.	Total.	Males.	Fe- males.	Unk.
Emmet.....	65	33	32	1	58	28	29	1	3	1	2	4	3	1	---
Genesee.....	235	138	117	---	218	116	102	---	31	20	11	6	2	4	---
Gladwin.....	1	---	1	---	1	---	1	---	---	---	---	---	---	---	---
Gr. Traverse	45	23	22	---	34	17	17	---	7	3	4	4	3	1	---
Gratiot.....	89	47	42	---	79	42	37	---	7	3	4	3	2	1	---
Hillsdale...	213	110	103	---	198	102	96	---	11	7	4	4	1	3	---
Houghton...	183	109	74	---	143	79	63	---	41	30	11	---	---	---	---
Huron.....	83	46	35	1	50	26	23	1	31	20	11	1	---	1	---
Ingham.....	255	143	111	2	230	123	103	2	21	14	7	4	3	1	---
Ionia.....	231	114	113	4	210	103	103	4	18	9	9	3	2	1	---
Iosco.....	40	21	19	---	28	17	11	---	8	3	5	4	1	3	---
Isabella.....	84	37	47	---	80	34	46	---	3	2	1	1	1	---	---
Isle Royal..	5	5	---	---	---	---	---	---	1	1	---	4	4	---	---
Jackson.....	331	175	156	---	286	151	135	---	38	20	18	7	4	3	---
Kalamazoo..	324	176	148	---	292	142	120	---	44	24	20	18	10	8	---
Kalkaska....	13	8	5	---	13	8	5	---	---	---	---	---	---	---	---
Kent.....	612	332	275	5	508	279	224	5	81	43	38	23	10	13	---
Keweenaw...	74	30	35	9	49	21	26	2	15	6	9	10	3	---	7
Lake.....	13	7	6	---	10	5	5	---	2	1	1	1	1	---	---
Lapeer.....	173	83	90	---	138	69	69	---	35	14	21	---	---	---	---
Leelanaw...	40	20	20	---	32	16	16	---	7	4	3	1	---	1	---
Lenawee....	395	200	195	---	357	176	181	---	35	22	13	3	2	1	---
Livingston..	158	85	71	2	142	75	65	2	14	8	6	2	2	---	---
Mackinac...	23	18	5	---	19	15	4	---	2	2	---	2	1	1	---
Macomb.....	290	150	110	---	212	119	93	---	44	28	16	4	3	1	---
Manistee....	74	51	23	---	61	41	20	---	11	10	1	2	---	2	---
Manitou....	3	2	1	---	2	1	1	---	1	1	---	---	---	---	---
Marquette..	250	146	104	---	106	90	76	---	75	49	26	9	7	2	---
Mason.....	63	37	26	---	51	30	21	---	11	7	4	1	---	1	---
Meecosta...	46	26	20	---	38	20	18	---	8	6	2	---	---	---	---
Menominee..	20	13	6	1	14	8	5	1	6	5	1	---	---	---	---
Midland....	40	17	23	---	33	13	20	---	7	4	3	---	---	---	---
Missaukee..	5	2	3	---	3	---	3	---	1	1	---	1	1	---	---
Monroe.....	196	103	92	1	152	77	74	1	40	24	16	4	2	2	---
Montcalm...	152	80	72	---	125	60	65	---	19	15	4	8	5	3	---
Muskegon...	120	68	52	---	96	53	43	---	21	14	7	3	1	2	---
Newaygo....	68	37	30	1	62	35	26	1	6	2	4	---	---	---	---

*1 male "America."

TABLE XIII.—CONTINUED.—*Deaths by Counties, Nativity, and Sex.*

COUNTIES.	ALL NATIVITIES,—1876.				NATIVE.				FOREIGN.			UNKNOWN.			
	Total.	Males.	Fe- males.	Unk.	Total.	Males.	Fe- males.	Unk.	Total.	Males.	Fe- males.	To- tal.	Males.	Fe- males.	Unk.
Oakland.....	268	147	120	1	206	109	96	1	53	38	20	9	5	4	....
Oceana.....	83	45	38	....	70	42	28	....	11	2	9	2	1	1	....
Ogemaw	4	2	2	....	4	2	2	....	....	....	....	....	....	....	....
Ontonagon ..	24	14	10	....	15	10	5	....	9	4	5	....	....	....	....
Osceola.....	68	38	30	....	48	27	21	....	18	10	8	2	1	1	....
Otsego	4	2	2	....	3	2	1	....	....	....	....	1	....	1	....
Ottawa.....	259	133	126	....	191	98	93	....	68	32	30	6	3	3	....
Presq. Isle..	13	10	3	....	11	9	2	....	2	1	1	....	....	....	....
Roscommon..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Saginaw.....	503	251	241	11	355	173	171	11	130	73	57	18	5	13	....
Sanilac.....	144	82	62	....	108	60	48	....	35	22	13	1	....	1	....
Schoolcraft..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Shiawassee..	189	96	93	....	166	84	82	....	20	10	10	3	2	1	....
St. Clair.....	336	181	152	3	205	104	98	3	119	70	49	12	7	5	....
St. Joseph..	219	114	105	....	197	100	97	....	19	12	7	3	2	1	....
Tuscola.....	125	55	70	....	96	43	53	....	28	12	16	1	....	1	....
Van Buren..	256	127	129	....	230	110	120	....	23	14	9	3	3	....	....
Washtenaw..	302	182	120	....	227	133	94	....	67	45	22	8	4	4	....
Wayne.....	2,242	1,266	967	9	1,693	936	754	3	480	288	192	669	42	21	6
Wexford.....	23	11	12	....	17	8	9	....	4	2	2	2	1	1	....

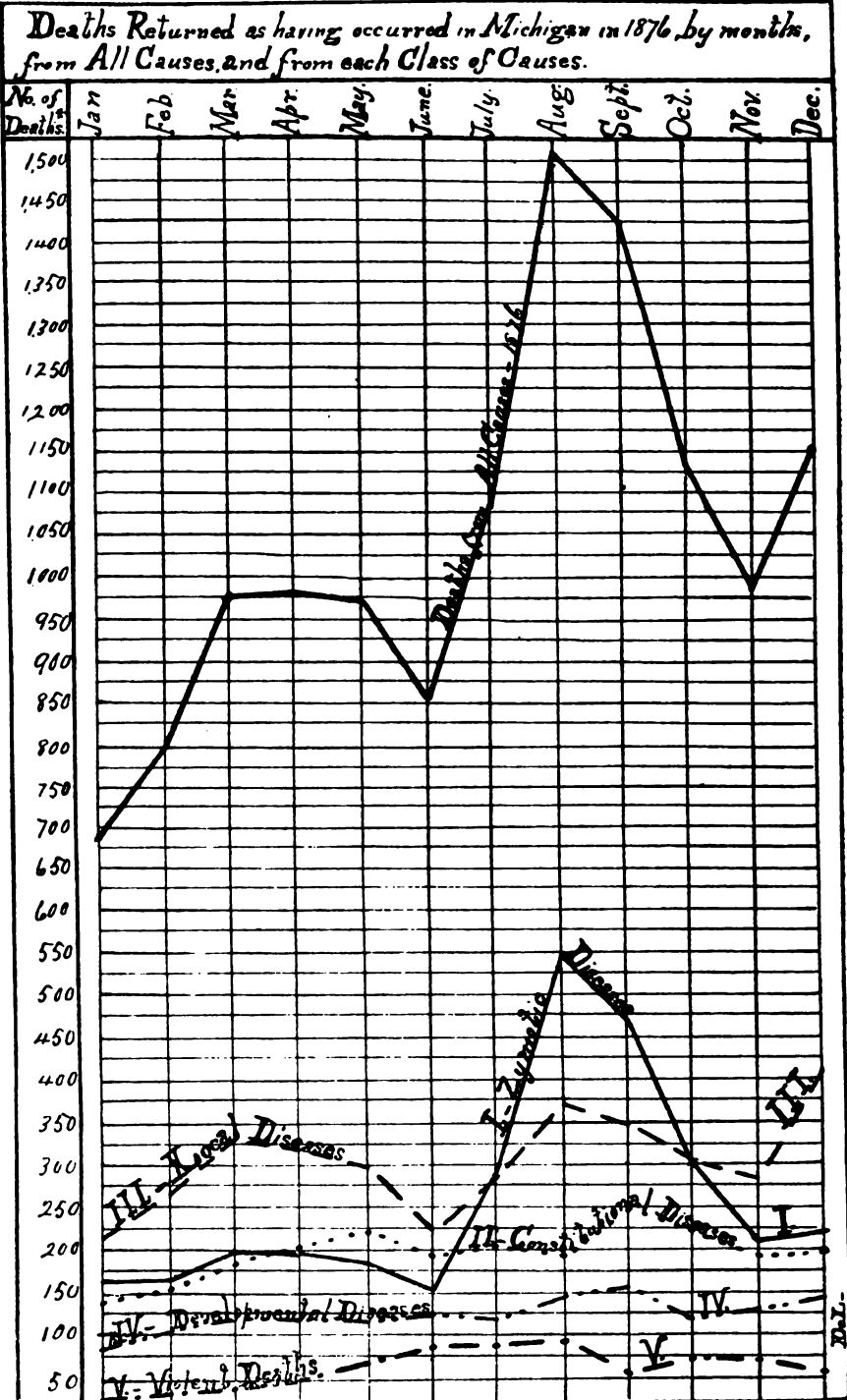
* No returns of deaths to county clerk.

† 5 males and 2 females "America."

CAUSES OF DEATHS, 1876.

Comments on the deaths from all causes in 1876 are printed on pages 107-8, where comparisons are made with the reported deaths in preceding years. It there appears that there were more deaths in 1876 than in 1875. So far as relates to the deaths from all causes, the subject may be studied in Table I., page 109. The classes of causes which caused the most deaths in 1876 and in each year preceding, may be studied in Table XIV., following, and in the comments thereon, and the month of the year 1876 in which the deaths from all causes and from each class of causes were numerous, may be learned by examining Diagram No. 4, following. The deaths from all causes may be studied by months in 1876, and compared with averages by months in the five preceding years in Diagram No. 3, preceding. Diagram No. 5, on a following page, shows five groups of deaths from diseases in important organs or parts of the body, from which it appears that in all of them more deaths were returned for 1876 than for the year 1875. The specified causes of deaths included in each class, by Dr. Farr's classification, can be seen in Table XVI., which also permits of studying the subject for every county in the State. Any specified disease or cause of death may be readily found and studied by month of death, sex, and age of decedent, etc., in Table XVII.,—specified causes of death, alphabetically arranged.

DIAGRAM No. 4.



CAUSES OF DEATH, DR. FARR'S CLASSIFICATION.

The reported causes of deaths in Michigan in 1876 were classified in the same manner as in previous Reports. Five classes are used, as shown in Table XIV. The largest proportion is shown for Class III.—Local Diseases—for 1873, 1874, 1875, and 1876; but for the other years the largest proportion is shown for Class I.—Zymotic Diseases. In 1876, 29.00 per cent of all the deaths were caused by the diseases included in Class III., and 24.60 per cent by diseases included in Class I. A larger proportion of the deaths was caused by Class V.—Violent Deaths—in 1876 than in any previous year, and a smaller proportion was returned from the unknown and unclassified.

TABLE XIV.—*Number of Deaths Returned as having Occurred in Michigan from All Causes, and from each Class of Causes, and the Per Cent of Deaths from each Class of Causes to Deaths from All Causes for each of the Years 1872 to 1876, inclusive; also the Average Number and Per Cent for the Seven Years 1869–1875.*

CAUSES OF DEATH, CLASSES.	1872.		1873.		1874.		1875.		1876.		AVERAGE FOR SEVEN YEARS, ENDING WITH 1875.	
	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.	Num- ber.	Per Ct. of Total.
All Causes.....	13,571	100.00	14,258	100.00	12,500	100.00	11,990	100.00	12,576	100.00	11,680	100.00
I.—Zymotic.....	4,399	32.90	4,027	28.24	3,260	26.08	2,798	23.34	3,094	24.60	3,295	28.21
II.—Constitutional.	2,146	16.06	2,207	15.49	2,117	16.93	2,190	18.27	2,348	18.67	2,045	17.51
III.—Local Diseases	3,792	28.14	4,565	32.02	3,697	29.58	3,565	29.73	3,647	29.00	3,320	28.42
IV.—Developmental	1,063	7.94	1,162	8.15	1,256	10.05	1,353	11.28	1,458	11.59	1,070	9.16
V.—Violent Deaths	541	4.04	685	4.80	656	5.25	646	5.39	747	5.94	576	4.93
Unknown and Un- classified.....	1,460	10.93	1,612	11.31	1,514	12.11	1,438	11.99	1,282	10.19	1,373	11.76

EXHIBIT 7.—*By Months, the Number of Deaths Returned as having occurred in Michigan from All Causes, and from each Class of Causes, during the Year 1876.*

CAUSES OF DEATH, CLASSES.	YEAR, 1876.	MONTHS OF DEATHS,—1876.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
All Causes.....	12,576	685	800	975	978	970	855	1,079	1,507	1,423	1,131	969	1,153
I.—Zymotic.....	3,094	163	164	199	198	183	153	288	544	468	300	209	220
II.—Constitutional	2,348	133	154	183	201	220	192	203	192	243	222	194	198
III.—Local Diseases	3,647	211	264	329	317	298	224	236	369	348	304	281	407
IV.—Developmental	1,458	81	101	118	116	115	123	116	143	155	117	123	141
V.—Violent Deaths	747	28	36	41	50	68	83	87	94	58	72	71	57
Unknown and Un- classified.....	1,282	64	81	105	96	86	80	99	163	146	116	106	130

Exhibit 7 is a compilation of the causes of deaths returned as having occurred in Michigan in 1876, by classes, by months. This exhibit is graphically represented in Diagram No. 4, on page 164. Diagram No. 4 may

be profitably studied in connection with Diagram No. 3, on a preceding page, in order to learn the classes of causes which contribute to the rise of the line for the total deaths in any month.

DEATHS, 1876, GROUPED BY PART OF BODY DISEASED.

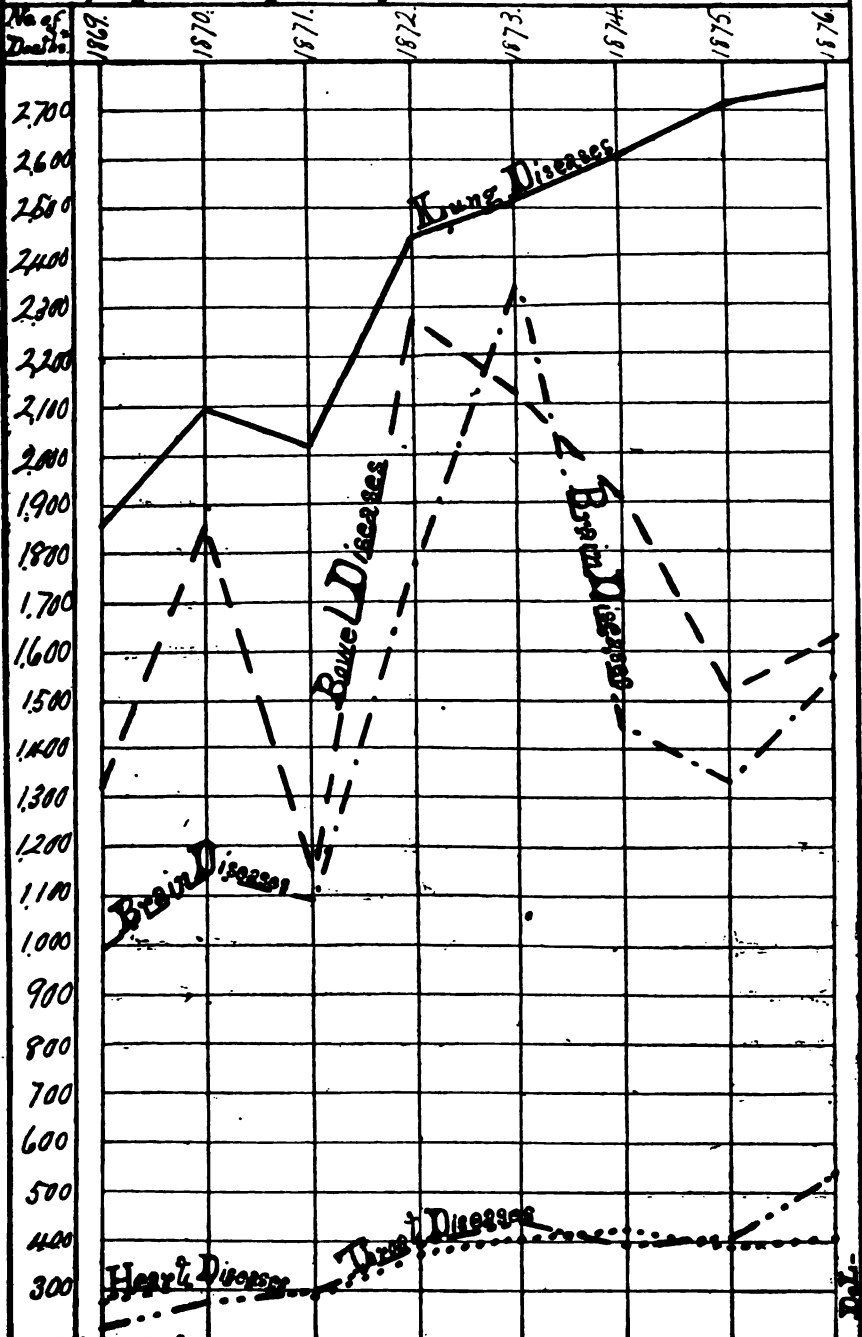
Exhibit 8 groups together certain diseases, for each of the years 1873-1876. Of the five groups, lung diseases caused the most deaths in each year, 1869 to 1876, and in each year except 1869, 1870, and 1874, the group of heart diseases shows the least number of deaths of either of the five groups in the exhibit. In 1876, 21.89 per cent of all the deaths were caused by the group of lung diseases.

EXHIBIT 8.—*Order of Succession of Five Groups of Causes of Deaths Returned as having Occurred in Michigan for each of the Years 1873 to 1876, inclusive,—Number of Deaths from each Group of Causes, and Per Cent of Deaths from each Group of Causes to the Deaths from All Causes.*

ORDER.	1873.			1874.			1875.			1876.		
	DISEASES OF	Per Ct. of All Caus's	Num-ber.	DISEASES OF	Per Ct. of All Caus's	Num-ber.	DISEASES OF	Per Ct. of All Caus's	Num-ber.	DISEASES OF	Per Ct. of All Caus's	Num-ber.
---	All Dis....	100.00	14,258	All Dis....	100.00	12,500	All Dis....	100.00	11,990	All Dis..	100.00	12,576
1	Lungs.....	17.61	2,511	Lungs.....	20.84	2,605	Lungs.....	22.69	2,720	Lungs...	21.89	2,753
2	Brain.....	16.38	2,338	Bowels....	15.29	1,907	Bowels....	12.69	1,521	Bowels..	12.98	1,633
3	Bowels....	14.89	2,121	Brain.....	11.60	1,450	Brain.....	11.16	1,338	Brain ...	12.31	1,549
4	Throat....	3.04	434	Heart.....	3.36	420	Throat....	3.39	406	Throat..	4.30	541
5	Heart.....	2.92	402	Throat....	3.16	395	Heart.....	3.26	391	Heart ...	3.22	405
1-5	5 Groups..	54.74	7,804	5 Groups..	54.22	6,777	5 Groups..	53.19	6,376	5 Groups	54.72	6,881

DIAGRAM No. 5.

Deaths Returned as having occurred in Michigan from each of Five Groups of Causes, for each of the Years 1869-1876.



Scale = 300 to the inch.

Designed by Henry B. Baker.

EXHIBIT J.—*Eleven Geographical Divisions of the State, Formed for the Purpose of Facilitating the Study of Causes of Deaths, with a List of Counties included in each Division.*

Upper Peninsular.	North- western.	Northern.	North- eastern.	Western.	Northern- Central.	Bay and Eastern.	Central.	South- western.	Southern- Central.	South- Eastern.
Baraga.	Bonzie.	Antrim. ^f	Alcona.	Kent.	Clare. ^m	Bay. ^p	Barry.	Allegan.	Branch.	Macomb.
Chippewa. ^a	Gr. Traverse.	Charlevoix.	Alpena.	Lake.	Gladwin.	Huron.	Clinton.	Berrien.	Calhoun.	Monroe. ⁿ
Delta. ^b	Leelanaw.	Choisygan. ^g	Iosco. ⁱ	Mason.	Isabella. ⁿ	Lapeer.	Eaton.	Casa.	Hilldale. ^t	Oakland. ^v
Houghton.	Manistee.	Emmet.	Ogemaw. ^j	Muskogon.	Mecosta. ^o	Saginaw.	Genesee. ^q	Van Buren.	Jackson.	Wayne.
Isle Royal	Manitou. ^d	Kalkaska.	Presque Isle. ^k	Newsaygo. ^l	Midland.	Sanilac.	Gratiot.		Kalamazoo.	
Keweenaw	Missaukee.	Otsego. ^h	Oceana.	Oceola.	Roscommon. ^s	St. Clair.	Ingham.		Lenawee.	
Mackinac.	Wexford. ^e		Ottawa.			Tuscola.	Ionia. ^r		St. Joseph.	
Marquette.							Livingston.		Washtenaw.	
Menominee.							Montcalm. ^s			
Ontonagon.							Shiawassee.			
Schoolcraft. ^e										

No returns of deaths from the following townships:

^a Detroit, Sugar Island. ^b Fairbanks. ^c No returns from the county. ^d Gallice, Peaine, South Maniton. ^e Cadillac City, 1st Ward. ^f Kearney.
^g Nunda. ^h Charlton, Elmira, Corwith, Hayes. ⁱ Thompson. ^j Edwards. ^k Presque Isle. ^l Beaver, Big Prairie, Bridgeton, Brooks, Monroe.
^m Summerfield. ⁿ Broomfield, Dearfield. ^o Green. ^p Merritt. ^q Argentine. ^r North Plains. ^s Reynolds. ^t Scipio. ^u Berlin. ^v Holly.

DEATHS, BY CLASSES—GEOGRAPHICAL DIVISIONS OF STATE. 169

DEATHS, 1876, BY CLASSES OF CAUSES, BY DIVISIONS OF THE STATE.

Table XV. shows the per cent of deaths from each class of causes to deaths from all causes, by geographical divisions of the State. The largest per cent is from Zymotic class was 27.31, in the central and in the southwestern divisions; the largest per cent from Constitutional diseases was 23.53, in the non-central division; the largest per cent from Local diseases was 34.28, in the southwestern division; the largest per cent from Developmental diseases was 12.59, in the northeastern division; the largest per cent from Violent deaths was 12.59, in the Upper Peninsular division; the largest per cent from Unknown and unclassified causes was 27.70, in the northern division. In the northeastern division of the State, nearly one-quarter (23.58 per cent) of deaths occurred, according to Table XV., which is according to the

The diseases included in each class may be found in Table XVI., and any specified disease may be studied by counties in the same manner and by months of the year, and by sex, and age of decedents, etc., in Table XVII.

Further on the most important causes of deaths are studied separately, and their relations to meteorological conditions.

Table XV.—*Exhibiting, for the State and each of Eleven Geographical Divisions of the State, the Number of Deaths, the Per Cent of Deaths in 1876 to Total Population in 1874, and the Per Cent of Deaths for each Division to Total for the State during the Year 1876; also the Per Cent of Deaths from each Class of Causes to Deaths from All Causes.*

NAME AND GEOGRAPHICAL DIVISIONS.	Population in 1874 Represented by Deaths in 1876.	DEATHS REPORTED, 1876.		Per Cent of All Deaths in 1876 to Population in 1874.	PER CENT OF DEATHS FROM EACH CLASS OF CAUSES TO DEATHS FROM ALL CAUSES, BY GEOGRAPHICAL DIVISIONS.					
		Number.	Per Ct. of Total.		Class I. Zymotic Diseases.	Class II. Constitutional Diseases.	Class III. Local Diseases.	Class IV. Developmental Diseases.	Class V. Violent Deaths.	Unk. and Unclassified.
.....	1,316,986	12,576	100.00	.95	24.60	18.67	22.00	11.59	5.94	10.19
Upper Peninsular.....	59,605	675	5.37	1.13	17.48	13.63	20.89	13.19	12.59	22.22
Western.....	25,284	216	1.72	.85	19.44	15.74	24.54	13.89	8.80	17.59
Central.....	11,201	148	1.17	1.32	12.84	19.59	18.92	10.81	10.14	27.70
Non-Central.....	11,643	106	.86	.93	18.52	18.52	22.22	17.59	6.48	16.67
Eastern.....	140,169	1,286	10.23	.92	26.83	17.19	24.49	14.15	5.52	11.82
Non-Central.....	20,747	187	1.49	.90	24.06	22.53	22.46	7.49	9.09	13.37
Eastern.....	184,007	1,620	12.88	.88	22.53	16.79	27.59	12.33	6.67	13.09
.....	237,448	1,948	15.49	.82	27.31	19.06	23.29	10.52	6.11	8.11
Western.....	117,091	1,091	8.67	.93	27.31	16.68	34.28	8.62	5.50	7.61
Non-Central.....	272,923	2,331	18.54	.85	24.71	19.99	32.53	10.73	5.28	6.78
Western.....	236,868	2,966	23.58	1.25	24.75	20.40	30.82	11.56	4.15	8.33

CAUSES OF DEATH, CLASSIFIED.

171

2. Tubercular Diseases.....	1,667	2	31	8	3	6	23	17	3	44	46	36	23	7	1	10	3	24	8	31	10	33	5	8
III.—1. Diseases of Nervous System.....	1,445	---	23	8	3	1	21	27	4	47	34	35	24	3	---	3	2	6	2	32	3	28	5	9
2. Diseases of Organs of Circulation...	386	---	8	1	---	---	8	5	---	12	11	9	6	---	---	---	---	6	---	11	1	5	2	---
3. Diseases of Respiratory Organs.....	987	1	44	2	1	---	9	20	---	42	29	22	19	4	---	1	---	8	4	18	2	15	1	2
4. Diseases of Digestive Organs.....	586	---	10	2	---	2	9	15	---	14	19	9	12	5	---	1	---	8	1	11	2	1	4	6
5. Diseases of Urinary Organs.....	146	---	3	---	---	---	4	2	---	2	3	5	4	---	---	---	---	1	---	5	---	4	2	2
6. Diseases of Generative Organs.....	14	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	2	---	1	1	1
7. Diseases of Organs of Locomotion...	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8. Diseases of Integumentary System.	63	---	1	---	---	---	3	1	2	---	1	1	---	---	---	---	---	1	2	---	---	2	---	---
IV.—1. Developmental Diseases of Children	804	1	15	8	4	---	14	24	3	15	13	8	10	---	1	1	3	9	2	12	5	5	4	10
2. Developmental Diseases of Women.	171	1	5	1	---	1	3	5	---	1	1	3	3	1	---	---	---	2	---	5	---	4	2	2
3. Developmental Dis. of Old People...	483	---	15	---	---	1	7	4	2	10	9	10	2	---	2	---	---	3	2	10	1	15	1	3
4. Diseases of Nutrition.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
V.—1. Accident or Negligence.....	459	---	17	---	---	2	7	16	---	6	17	4	2	3	4	---	1	4	2	10	3	10	4	2
2. Battle.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3. Homicide.....	12	---	1	---	---	---	---	1	---	1	1	---	---	---	---	---	---	---	---	---	---	---	---	---
4. Suicide.....	54	---	2	---	---	---	1	---	---	---	2	2	2	---	---	---	---	2	1	2	---	3	---	---
5. Execution.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6. Violent Deaths.....	222	1	5	2	---	1	7	6	---	5	2	5	5	---	1	---	---	5	2	5	1	4	---	2
CLASS L.—ZYMOTIC.....	3,094	1	90	2	2	5	60	69	3	105	90	60	54	5	2	4	4	81	8	59	9	67	3	18
L.—ORDER 1. Miasmatic.....	3,056	1	90	2	2	5	59	68	3	105	89	60	53	5	2	4	4	80	8	59	8	67	3	18
1. Small-pox.....	78	---	---	---	---	---	---	---	---	1	3	---	2	---	---	---	---	---	---	---	---	---	---	---
2. Measles.....	118	---	6	---	---	---	4	3	---	4	1	2	1	2	2	---	---	10	---	---	3	---	---	---
3. Scarletina.....	339	---	31	---	---	---	2	4	1	17	9	18	3	---	---	---	---	33	---	3	---	16	1	3

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH, —1876.		COUNTIES.—1876.																								
	STATE.	Alcona.	Allegan.	Alpena.	Antrim.	Barnes.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gr. Traverse.	Grafton.	
4. Diphtheria	311	—	4	—	—	—	15	13	—	5	25	15	6	—	—	—	—	5	1	23	—	3	—	1	—	
5. Quinsy	10	—	1	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	
6. Croup	178	—	3	—	2	—	11	6	—	7	2	1	2	—	—	—	—	1	—	4	—	3	—	1	—	
7. Whooping-cough	181	—	3	—	—	—	1	1	1	2	10	1	7	—	—	1	—	3	—	2	—	7	—	—	—	
Continued Fever.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
8. { Typhoid Fever.....	432	1	14	1	1	10	6	—	13	13	5	9	—	—	—	—	1	7	2	12	2	11	—	1	—	
{ Typhus Fever.....	21	—	2	—	—	—	1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	
{ Typho-malarial Fever.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
9. Erysipelas.....	92	—	4	—	—	—	1	1	—	3	2	1	7	1	—	—	—	4	—	1	—	3	—	1	—	
10. Puerperal Fever	29	—	—	—	—	—	1	—	—	—	—	1	1	1	—	—	—	2	—	—	—	—	—	—	—	
11. Carbuncle.....	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
12. Influenza.....	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
13. Dysentery.....	190	—	6	—	—	—	2	4	—	23	2	2	2	—	—	—	—	1	1	3	—	6	—	—	—	
14. Diarrhea.....	311	—	2	1	—	—	2	7	—	6	3	3	2	1	—	3	1	2	2	1	—	1	—	—	—	
15. Cholera Infantum.....	331	—	7	—	—	4	4	4	1	10	11	5	5	—	—	—	1	7	2	7	2	11	—	—	3	
16. { Cholera Morbus.....	27	—	4	—	—	—	1	2	—	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	
{ Cholera	12	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
17. Ague.....	102	—	—	—	—	—	1	4	—	5	4	3	2	—	—	—	—	—	—	1	—	2	—	—	1	
18. Remittent Fever.....	168	—	3	—	—	—	3	9	—	3	2	1	2	—	—	—	1	2	—	2	—	1	—	—	2	
19. Rheumatism	63	—	—	—	—	—	—	2	—	4	1	1	1	—	—	—	—	3	—	—	1	2	—	—	—	

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH, 1876	COUNTIES.—1876.																
	Alcona.	Allegan.	Alpena.	Antrim.	Baraga.	Barry.	Benzie.	Berrien.	Branch.	Calhoun.	Casa.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Delta.
I.—ORDER 2 Tubercular.....	1,667	2	31	3	3	6	23	17	3	44	46	36	25	1	10	3	24
1. Scrofula.....	26	2				1			1	1	1					1	
2 Consumption of Bowels.....	22							1									
3. Phthisis (Con. of Lungs).....	1,605	2	29	3	3	6	21	17	3	43	45	35	24	7	10	3	23
4. Hydrocephalus.....	6																
5. Marasmus.....	8					1											
Class III.—LOCAL DISEASES.....	3,547	1	89	13	4	3	55	70	8	117	97	81	65	12	6	2	30
III.—ORDER 1. Nervous System.....	1,445		23	8	3	1	21	27	4	47	34	35	24	3	3	2	6
1. Cephalitis.....	276		11	4		1	5	8		11	6	1	5	1			2
2. Apoplexy.....	111						1			3	2	3				1	3
3. Paralysis.....	235		3	1			2	3	3	12	8	15	4			2	7
4. Insanity.....	28		1			1		1									
5. Chorea.....	3						1										
6. Epilepsy.....	30		1	2						1							3
7. Tetanus.....	3								1								
8. Convulsions.....	275						9			5	2	3	1	2	1		2
9. { Brain Diseases.....	218		2				4	2		8	8	5	4			1	6
{ Dropsy of Brain.....	63		3			2				2	1	1		3			
10. Spinal Fever.....	73	1				1	1			5	3	3	3				4
11. Spotted Fever.....	1																

Gratiot.

Gt. Traverse.

Gladwin.

Genesee.

Hemmett.

Ionia.

Isabella.

Jackson.

Jennings.

Kalamazoo.

Leelanau.

Lapeer.

Lawrence.

Lehigh.

Litchfield.

Livingston.

Macomb.

Manistee.

Mason.

Mecum.

Meridian.

Missaukee.

Monroe.

Montcalm.

Muskegon.

Newaygo.

Oakland.

Ontonagon.

Oscoda.

Ogemaw.

Ontonagon.

Ontonagon.

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1876.	COUNTIES.—1876.																						
	Alcona.	Allegan.	Alpena.	Antrim.	Barnaga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gratiot.
4. Ascites.....	5									1													
5. Ulceration of Intestines.....	4								1														
6. Hernia.....	16									1	2										1		
7. Obstruction of Bowels.....	2										2												
8. Intussusception.....	2																						
9. Stricture of Intestines.....																							
10. Fistula	1																						
11. Stomach Diseases.....	74	1			1	2			1	6		2					1		1		2		
12. Pancreas Diseases.....																							
13. Hepatitis.....	7																			1			
14. Jaundice.....	24								1														
15. Liver Diseases.....	91	1	1				2			1	2		1				1		6		1		
16. Spleen Diseases.....	1																						
17. Bowel Diseases, etc.....	36	1						2	1		1							1	1		1		
18. Mouth Disease.....																							
III.—ORDER & Urinary Organs.....	146	2			4	2	2	1	2	2	5	4					1		5		4		
1. Nephritis.....	10										1												
2. Ischuria																							
3. Bright's Disease of Kidneys.....	20					1					2												
4. Diabetes	19								1			2											

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH.—1876.

COUNTIES.—1876.

STATE.	Alcona.	Allegan.	Alpena.	Antrim.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gr. Traverse.	Gratiot.
1. { Dysmenorrhea.....																								
1. { Turn of Life.....	4																							
2. { Childbirth.....	154	1	3	1	1	3	5	1	1	1	3	3					2		5		4		1	2
2. { Abortion.....	7	2											1											
2. { Uterine Hemorrhage.....	6																							
IV.—ORDER 3. Dev. Diseases of Old People	483	15			1	7	4	2	10	9	10	2		2			3	2	10	1	15		1	3
1. Old Age.....	483	15			1	7	4	2	10	9	10	2		2			3	2	10	1	15		1	3
IV.—ORDER 4. Diseases of Nutrition.....																								
1. Atrophy and Debility.....																								
CLASS V.—VIOLENT DEATHS.....	747	1	25	2	3	15	23	1	12	22	11	9	3	5		1	11	5	17	4	17		4	4
V.—ORDER 1. Accident or Negligence.....	459	17			2	7	16	1	6	17	4	2	3	4		1	4	2	10	3	10		4	2
1. Fractures and Contusions.....	49									1														
2. Wounds.....	28	1				1	1										1			1				
3. Burns and Scalds.....	66				1		1		1			1	1						4		3		1	
4. Poison.....	25					1	2				1								1	1	1			
5. Drowning.....	177	8				4	6		3	10	2		1	4		1	1	2	1		1		3	
6. Suffocation.....	29	5					1	1	1								1		2				1	
7. Otherwise.....	85	3			1	1	5		1	6	1	1	1				1		2	1	5		1	

CAUSES OF DEATH, CLASSIFIED.

V.—ORDER 3. Homicide.....	12	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																														
1. Murder.....	9	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																														
V.—ORDER 4. Suicide.....	54	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																															
1. Wounds.....	19	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																														
2. Poison.....	6	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																														
3. Drowning.....	7	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																														
4. Hanging.....	22	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																														
5. Otherwise and not Specified.....	

TABLE XVI.—CONTINUED.—Causes of Death, Classified.

CAUSES OF DEATH,—1876.		COUNTY.—1876.																									Memorinee.
		Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Lake Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Meosco.		
All Causes.....		213	183	82	255	231	40	84	5	331	324	13	612	74	13	173	40	305	158	23	260	74	3	250	63	46	20
Specified Causes.....		202	119	64	243	215	35	71	5	305	299	7	553	71	12	155	30	371	147	20	248	65	2	196	56	41	17
Causes not Specified.....		11	64	18	12	16	5	13		26	25	6	54	3	1	18	10	24	11	3	12	9	1	54	7	5	3
CLASSES.																											
I.—Zymotic Diseases.....		60	27	11	66	53	11	26		81	60	1	176	12	1	35	9	104	33	1	51	20		48	21	4	9
II.—Constitutional Diseases.....		46	22	17	40	54	8	15		54	66	1	121	6	2	31	5	87	39	6	65	12		29	12	19	1
III.—Local Diseases.....		64	30	13	89	73	6	15	1	104	122	3	156	28	1	68	12	123	56	4	93	11	2	51	10	12	
IV.—Developmental Diseases.....		22	25	17	29	28	7	5		46	34	2	70	17	6	24	4	37	13	1	29	10		35	7	2	1
V.—Violent Deaths.....		9	15	6	18	6	2	6	4	19	16		26	8	2	5		19	5	8	10	11		33	5	4	6
Unclassified.....		1			1	1	1	4		1	1		3			1		1	1			1			1		
ORDERS.																											
I.—1. Miasmatic Diseases.....		29	26	10	66	53	11	26		79	59	1	175	12	1	38	9	104	33	1	51	20		48	21	3	9
2. Enthetic Diseases.....											1																
3. Dietic Diseases.....		1																								1	
4. Parasitic Diseases.....			1	1						2			1														
II.—1. Diathetic Diseases.....		10	14	8	12	13	3	1		11	17		36	3	1	9	1	21	12	1	22	3		5	5	12	
2. Tubercular Diseases.....		36	8	9	28	41	5	14		43	49	1	85	3	1	22	4	66	27	5	43	9		21	7	1	

2. Diseases of Organs of Circulation.....	8	1	1	8	11	9	35	68	2	64	11	1	21	4	51	23	2	37	5	1	15	7	8
3. Diseases of Respiratory Organs.....	11	12	2	29	11	2	4	1	25	28	35	9	17	4	26	12	1	16	3	20	1	1	
4. Diseases of Digestive Organs.....	16	1	5	13	13	4	2	25	8	27	5	13	3	24	10	14	1	10	1	10	3	3	
5. Diseases of Urinary Organs.....	1	1	5	6	1	1	4	5	1	5	1	2	1	7	3	8	1	8	1	1	1	1	
6. Diseases of Generative Organs.....	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	
7. Diseases of Organs of Locomotion.....	3	1	2	2	2	2	3	1	5	5	1	1	1	3	3	1	1	1	1	1	1	1	
8. Dis. of Integumentary System.....	10	23	13	8	11	5	3	24	14	2	42	13	3	9	2	14	8	14	7	23	4	2	
IV.—1. Developmental Dis. of Children.....	4	2	1	5	5	1	3	5	7	3	1	5	1	5	1	5	1	3	1	8	1	1	
2. Developmental Dis. of Women.....	8	3	16	12	2	1	10	15	27	1	2	10	1	18	4	1	12	2	9	3	1	1	
3. Developmental Dis. of Old People.....	4	2	1	5	5	1	3	5	7	3	1	5	1	5	1	5	1	3	1	8	1	1	
4. Diseases of Nutrition.....	6	6	5	10	3	2	5	4	13	14	21	6	2	2	12	2	7	7	12	3	2	4	
V.—1. Accident or Negligence.....	2	9	1	7	3	1	6	1	4	4	2	2	2	2	6	3	8	2	2	21	2	1	
2. Battle.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3. Homicide.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4. Suicide.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5. Execution.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6. Violent Deaths.....	2	9	1	7	3	1	6	1	4	4	2	2	2	2	6	3	8	2	2	21	2	1	
CLASS I.—ZYMOTIC.....	60	27	11	66	53	11	26	81	60	1	176	12	1	36	9	104	33	1	51	20	48	21	4
1.—ORDER 1. Miasmatic.....	59	26	10	66	53	11	26	79	59	1	175	12	1	36	9	104	33	1	51	20	48	21	3
1. Small-pox.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2. Measles.....	4	4	1	2	2	2	6	7	5	1	5	1	1	1	4	1	1	1	1	1	1	1	
3. Scarletina.....	14	2	16	2	8	8	6	11	6	4	6	4	1	1	10	5	7	7	1	1	9	1	
4. Diphtheria.....	12	1	3	2	6	6	5	13	18	2	2	1	1	1	9	2	2	2	2	2	2	1	
5. Quinsy.....	3	3	1	3	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	
6. Croup.....	3	3	1	3	2	2	1	1	20	1	20	1	1	1	10	1	4	4	4	6	2	1	

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH, —1876.	COUNTIES.—1876.																
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Tale Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Lapeer.	Leelanaw.	Lemawec.	Livington.	Mackinac.
2. Consumption of Bowels.....												3	1	2	1	2	
3. Phthisis (Con. of Lungs).....	36	7	9	27	39	4	14		42	45	1	78	1	20	4	65	5
4. Hydrocephalus.....					2	1											42
5. Marasmus.....		1										1					1
CLASS III.—LOCAL DISEASES.....	64	30	13	89	73	6	15	1	104	122	9	156	28	1	58	12	93
III.—ORDER 1. Nervous System.....	24	14	4	31	30		9		35	68	2	64	11	1	21	4	51
1. Cephalitis.....	5	4	1	7	9				5	3		15			7	1	5
2. Apoplexy.....	1		1	2	3				1	6		5	1		1	5	1
3. Paralysis.....	5	1		4	3		1		4	13		10		3	11	6	1
4. Insanity.....					1					15		1			1	3	
5. Chorea.....									1								
6. Epilepsy.....	3			1					2	8		1			1		
7. Tetanus.....																	
8. Convulsions.....	1	6	2	3	2		2		3	4		14	8	1	3	5	1
9. { Brain Diseases.....	4			4	5		1		8	13	1	9		4	1	12	2
{ Dropsy of Brain.....		1		3	2		2		1	1		1		1		1	4
10. Spinal Fever.....	3			4	3		2		3	1	1	1		1	1	1	
11. Spotted Fever.....																	
12. Meningitis.....																	
13. Men., Cerebro-spinal.....		2			1					1			2				

CAUSES OF DEATH, CLASSIFIED.

[illegible]

CAUSES OF DEATH, CLASSIFIED.

191

III.—1. Diseases of Nervous System.....	4	1	19	18	9	5	30	7	6	27	2	54	15	19	40	31	15	35	39	280	2		
2. Diseases of Organs of Circulation.....	1	1	8	5	4	4	10	---	3	2	4	1	13	---	8	11	9	8	6	16	77	1	
3. Diseases of Respiratory Organs.....	2	---	17	12	4	5	22	7	3	2	23	---	39	5	14	21	20	10	46	21	104	---	
4. Diseases of Digestive Organs.....	5	---	10	2	3	4	11	3	2	---	19	---	23	4	2	15	10	11	10	99	---		
5. Diseases of Urinary Organs.....	---	---	1	1	1	5	2	1	---	---	2	---	3	2	1	8	2	4	4	21	1		
6. Diseases of Generative Organs.....	---	---	---	---	---	---	---	---	---	1	---	---	---	---	2	---	---	1	1	1	---		
7. Diseases of Organs of Locomotion.....	---	---	---	---	---	1	---	---	1	---	1	---	---	---	1	---	---	---	---	---	---		
8. Dia. of Integumentary System.....	---	---	2	1	---	---	---	---	---	2	---	---	---	---	3	1	2	---	---	13	---		
IV.—1. Developmental Dia. of Children.....	4	---	9	6	18	4	9	5	2	9	23	1	42	13	8	13	14	11	18	161	2		
2. Developmental Dia. of Women.....	---	---	---	3	2	3	3	1	---	2	6	---	7	3	1	5	3	4	1	3	27	---	
3. Developmental Dia. of Old People.....	---	---	10	4	1	3	17	---	1	4	12	---	20	3	9	21	11	---	6	18	78	1	
4. Diseases of Nutrition.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
V.—1. Accident or Negligence.....	4	---	2	8	7	2	9	4	2	5	2	9	1	20	8	5	12	4	5	12	11	63	1
2. Battle.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
3. Homicide.....	---	---	---	---	---	---	---	---	---	---	---	---	2	---	---	---	---	---	1	---	2	---	
4. Suicide.....	---	---	1	3	---	---	---	---	---	---	1	---	6	1	3	2	---	---	---	2	8	---	
5. Execution.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
6. Violent Deaths.....	2	1	3	6	---	3	9	1	1	1	2	1	11	1	4	6	4	2	1	4	16	1	
CLASS I.—ZYMOTIC.....	11	1	41	35	28	22	51	29	3	4	56	3	122	46	60	61	47	20	49	74	591	6	
1.—ORDER 1. Miasmatic.....	11	1	39	32	27	22	49	29	3	4	55	3	122	45	60	61	46	20	47	74	581	5	
1. Small-pox.....	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	2	64	---	
2. Measles.....	---	---	---	---	1	---	---	1	---	---	1	---	2	---	6	---	1	---	2	1	32	---	
3. Scarlatina.....	2	---	1	2	7	5	10	13	2	---	4	---	8	1	24	9	9	1	7	1	48	3	
4. Diphtheria.....	---	---	5	---	2	1	5	1	2	---	---	---	13	6	1	15	5	4	2	2	58	---	
5. Quinsy.....	---	---	---	---	---	---	---	---	---	---	1	---	2	---	---	---	---	---	---	---	1	---	
6. Group.....	---	---	6	---	---	1	3	1	---	---	3	---	9	8	1	5	1	---	1	2	35	---	

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1876.	COUNTIES.—1876.																
	Midland.	Missaukee.	Monroe.	Montcalm.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Oscoda.	Oshtemo.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Saukunc.
7. Whooping-cough.....	2	—	1	—	3	—	—	—	—	—	2	—	2	—	—	15	16
Continued Fever.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. Typhoid Fever.....	—	—	6	6	2	5	10	—	—	—	3	10	10	—	—	13	3
Typhus Fever.....	—	—	1	—	—	—	—	3	—	—	—	—	1	—	—	2	1
Typho-malarial Fever.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Erysipelas.....	—	—	1	1	—	—	4	—	—	—	1	—	1	—	—	4	1
10. Puerperal Fever.....	—	—	—	—	—	—	1	—	—	—	—	—	2	—	—	3	—
11. Carbuncle.....	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
12. Influenza.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13. Dysentery.....	5	—	1	7	2	1	1	2	—	1	1	—	3	3	—	5	—
14. Diarrhea.....	—	—	2	1	3	—	2	1	—	—	4	11	—	—	—	21	3
15. Cholera Infantum.....	1	—	4	8	3	2	6	4	—	1	1	—	2	—	—	11	—
Cholera Morbus.....	—	—	1	1	—	—	—	—	—	—	—	—	1	—	—	—	—
Cholera.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Ague.....	—	—	2	3	1	2	2	1	—	—	—	—	—	—	—	5	1
18. Remittent Fever.....	—	1	5	1	3	5	4	1	—	—	—	—	9	—	—	5	4
19. Rheumatism.....	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—
L-ORDER 2. Enthetic.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1. Syphilis.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

1. Syphilis

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

[illegible]

TABLE XVI.—CONTINUED.—Causes of Death, Classified.

CAUSES OF DEATH,—1876.		COUNTIES.—1876.																								
		Midland.	Missaukee.	Monroe.	Montcalm.	Muskegon.	Newaygo.	Oakland.	Ocean.	Ogemaw.	Ontonagon.	Oscoda.	Osego.	Ottawa.	Presque Isle.	Saginaw.	Sault.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
7. Obstruction of Bowels																										
8. Intussusception																										
9. Stricture of Intestines																										
10. Fistula											1															
11. Stomach Diseases								2	1		1					2				1	4	1	2		12	
12. Pancreas Diseases																										
13. Hepatitis																4				2		4	1	2		1
14. Jaundice																6				2	4	4	1	2		21
15. Liver Diseases	1			2		2																				1
16. Spleen Diseases																				1						8
17. Bowel Diseases, etc.								1						4												
18. Mouth Disease																										
II.—ORDER 5. Urinary Organs																										
1. Nephritis				1		1	1	5	2		1		2			2			1	9		2	4	4	21	1
2. Ischuria								1												1		1				1
3. Bright's Disease of Kidneys											1		1											2	6	
4. Diabetes									2								1						1		2	
5. Calculus (Gravel, etc.)																			1	2			1		4	
6. Cystitis				1				1								8	1			1		1	1			1
7. Kidney Diseases								3						1								1	1	1	8	

CAUSES OF DEATH, CLASSIFIED.

[illegible]

TABLE XVII.—Exhibiting by Sex, by Months, by Specified Causes, and by Ages in Periods of Years, the Number of Persons Returned as having Died in Michigan during the Year ending December 31, 1876; also by Sex, and by Specified Causes, the Number of Persons Returned as having Died during each of the Years 1869 to 1876, inclusive (Still-births included). The Foot-notes in this Table refer only to the Year for which the Report is made, unless otherwise stated.

DEATHS FROM ALL CAUSES.																																					
MONTHS, 1876.													YEARS.*					AGES IN PERIODS OF YEARS.—1876.																			
SEX.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1876.	1875.	1874.	1873.	1872.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.	
	685	800	975	978	970	855	1079	1517	1425	1181	989	1153	31	12576	11900	12500	14258	13371	5121	630	367	537	564	515	425	423	349	375	383	420	418	461	490	387	457	244	
Total																																					
Males	392	412	515	509	519	463	598	822	757	606	541	607	15	6756	6448	6665	7651	7182	2798	332	180	233	235	240	205	208	183	225	214	266	255	277	290	234	247	133	
Females..	292	385	456	463	449	388	480	677	664	521	439	535	12	5761	5454	5804	6590	6162	2281	298	187	304	329	275	220	215	166	149	179	154	163	184	200	153	210	94	
Unknown	1	3	4	6	2	4	1	8	2	4	9	11	4	89	58	31	17	27	42	17

* For the year 1869, the total deaths returned from all causes were 9,145,—males 4,706, females 4,439, the total deaths returned were 10,766,—males 6,669, females 6,160, unknown sex, 91. For 1871, the total deaths returned were 9,728,—males 5,190, females 4,508, unknown sex, 83.

TABLE XVII.—CONTINUED.—Specified Causes of Death.

[illegible]

[illegible]

[illegible]

TABLE XVII.—CONTINUED.—Specified Causes of Death.

[illegible]

CAUSES OF DEATH, SPECIFIED.

211

[illegible]

CAUSES OF DEATH, SPECIFIED.

223

[illegible]

Includes 3, "Bursting of Blood Vessel." Includes 2, "Strangulated Hernia."

CAUSES OF DEATH, SPECIFIED.

Males.....	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1</
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Includes 1 "Worm Fever," and 6 "Worm Fits."

TABLE XVII.—CONTINUED.—Specified Causes of Death.

[illegible]

TABLE XVII.—CONTINUED.—Specified Causes of Death.

[illegible]

TABLE XVII.—CONTINUED.—Specified Causes of Death.

SEX.	MONTHS, 1876.												YEARS.						CAUSES OF DEATH.	AGES IN PERIODS OF YEARS.—1876										
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	1876.	1877.	1878.	1879.	1880.	1881.		1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.			
	Unknown.	Unknown.	Unknown.	Unknown.	Unknown.	Unknown.	Unknown.	Unknown.	Unknown.	Unknown.	Unknown.	Unknown.	Unknown.	Unknown.	Unknown.	Unknown.	Unknown.	Unknown.		Unknown.	Unknown.	Unknown.	Unknown.	Unknown.	Unknown.	Unknown.	Unknown.			
Males.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Females.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Males.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Females.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Total.....	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
Males.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Females.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Total.....	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
Males.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Females.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Total.....	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
Males.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Females.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Total.....	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
Males.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Females.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Total.....	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
Males.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Females.....	1	1	1	1																										

TABLE XVII.—CONTINUED.—Specified Causes of Death.

[illegible]

CAUSES OF DEATH, SPECIFIED.

[illegible]

Includes 1 "Acute" in 1874. Includes 1 "Chronic" in 1876 and in 1870.

TABLE XVII.—CONTINUED.—Specified Causes of Death.

MONTHS, 1876.												YEARS.												AGES IN PERIODS OF YEARS.—1876.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
SEX.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1876.	1875.	1874.	1873.	1872.	1871.	1870.	1869.	CAUSES OF DEATH.												Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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Total.		17	10	23	19	24	3		10	13	18	20	55		192	193	205	173	173	153	154	112	Lung Disease.												76	8	4	7	6	4	4	9	7	8	10	11	13	8	6	5	2	4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

TABLE XVII.—CONTINUED.—Specified Causes of Death.

[illegible]

TABLE XVII.—CONTINUED.—Specified Causes of Death.

MONTHS, 1876.													YEARS.												AGES IN PERIODS OF YEARS.—1876.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
SEX.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1876.	1877.	1874.	1873.	1872.	1871.	1870.	1869.	CAUSES OF DEATH.												Under 5.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	Paralysis of Stomach.....	Paralysis.....	"	"	Paraplegia.....	"	Pelvic Cellulitis.....	Pericarditis.....	"	"	Peritonitis, Chronic.....	"	Peritonitis, Pelvic.....	Peritonitis.....	"	"	Phlebitis.....	Piles.....	"	Pistol-shot.....	Pleurisy.....																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Females..	9	17	19	16	17	18	15	20	27	23	24	2	230	170	169	170	154	144	115	130	162	88	78	88	66	62	7	1	4	6	5	9	5	14	12	26	34	45	27	26	2	2	Unknown.	80 and over.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Total.....	7	11	13	7	8	6	7	9	20	11	16	2	127	89	98	98	85	78	66	62	7	1	5	4	3	6	1	6	7	13	19	24	16	13	2	2	73 to 80.	75 to 79.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Males.....	2	6	6	9	12	8	11	7	12	7	14	103	81	71	85	76	56	49	58	1	1	3	1	2	3	4	8	5	13	15	21	11	13	1	1	65 to 70.	60 to 65.	55 to 60.	50 to 55.	45 to 50.	40 to 45.	35 to 40.	30 to 35.	25 to 30.	20 to 25.	15 to 19.	10 to 14.	5 to 9.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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CAUSES OF DEATH, SPECIFIED.

Males.....	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
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* Includes 1 from Paris Green, 1 with Ivy, and 1 Eating green wrapper of Irish Soap.

TABLE XVII.—CONTINUED.—Specified Causes of Death.

[illegible]

CAUSES OF DEATH, SPECIFIED.

[illegible]

TABLE XVII.—CONTINUED.—Specified Causes of Death.

[illegible]

TABLE XVII.—CONTINUED.—Specified Causes of Death.

[illegible]

Two hundred and twenty-two (222) deaths were returned as having occurred in 1876 from causes compiled as Casualty in Table XVII., and specified in Table R. These causes are stated as specified, in the hope that in some way this aid toward the prevention hereafter of deaths from some of these causes.

EXHIBIT R.—Deaths in Michigan in 1876, Compiled as Casualty.

CASUALTY,—CAUSES AS RETURNED.	Deaths, 1876.	CASUALTY,—CAUSES AS RETURNED.	Deaths, 1876.
Number tabulated as Casualty in Table XVII.	222	Team run into him.	1
Ident of fire.	1	Log rolled over.	1
nt.	74	Killed accidentally by barn door.	1
l in mine.	2	Killed in raising a building.	1
on tram-road.	1	By fall of stick of timber.	1
d in mine.	1	Kicked by a horse.	4
mine.	1	Premature discharge of cannon.	1
r blast.	1	Killed by circular saw.	1
alling on him in mine.	1	Thrown from wagon.	3
ntally killed by falling rock.	1	Contusion of brain.	1
back in mine.	1	Bite of horse.	1
nt—falling from a tree.	2	Injury received in machine shop.	1
by a saw-log.	6	Caused by hurt.	1
mself by accident.	1	Fell on knife—cut his throat.	1
d by a wagon-box falling.	1	Killed in mill.	3
ion of steam-boiler in mill.	2	Thrown from a horse.	2
	3	Accidental breaking of hip.	1
in saw-mill.	3	Run over by wagon while intoxicated.	1
wing a button.	1	Killed by a cow.	1
in a well.	2	Supposed internal rupture resulting from a sudden fall.	1
ntal wound in throat.	1	Steam boiler explosion.	5
by a wagon.	1	Crushed by a wagon.	1
er by a wagon.	2	Hurt at birth.	1
by his team.	1	Internal injury.	1
in mill.	1	Taking overdose of medicine—accident.	1
by a horse.	2	Killed by overturning of a load of lumber.	1
ntal fall of brick to sidewalk.	1	Burned by gas explosion in gas factory.	1
ntal scalding.	2	Burned by explosion of kerosene oil.	1
sion of spine—accidental fall from n.	1	Broken leg—accidental.	1
ntal gun-shot wound.	2	Hanged by accident.	1
ntal fall from wagon.	4	Killed by a bull.	1
nt—fracture of skull.	1	Accidental poison.	1
from accident.	1	Killed by falling into a well.	1
tally killed by falling on saw.	1	Accident—run over by steam fire engine.	1
ntal—team running away.	3	Boiler explosion in paper-mill.	1
og rollway of logs.	1	Fell from load of straw.	1
identally.	14	Crushed in saw-mill.	1
	4	Killed by a mower.	1
by a machine.	1	Fell, getting off the cars.	1
n the head.	1	Nail run in foot.	1
n the bowels.	1	By stepping on a stone.	1
ntal fall.	6	Killed by the falling of a barn.	1
l injuries caused by jumping.	1	Falling through hatchway.	1
the neck.	1	Killed by falling of a scaffold.	1
by accident at barn raising.	1	Thrown from carriage.	1
ntal—an ax cutting back part of whole width of ax-bit—lived 10 days.	1	Killed off own steps.	1
ght feet—paralysis of spine.	1	Run over.	1
		Fracture of skull by falling off cars.	1

CAUSES OF DEATH,—CASUALTIES.

245

Two hundred and twenty-two (222) deaths were returned as having occurred in 1876 from causes compiled as Casualty in Table XVII., and specified in Exhibit R. These causes are stated as specified, in the hope that in some way this may aid toward the prevention hereafter of deaths from some of these causes.

EXHIBIT R.—Deaths in Michigan in 1876, Compiled as Casualty.

CASUALTY,—CAUSES AS RETURNED.	Deaths, 1876.	CASUALTY,—CAUSES AS RETURNED.	Deaths, 1876.
Total number tabulated as Casualty in Table XVII.	222	Team run into him.....	1
By accident of fire.	1	Log rolled over.....	1
Accident	74	Killed accidentally by barn door.....	1
Blasted in mine.	2	Killed in raising a building.....	1
Killed on tram road	1	By fall of stick of timber.....	1
Crushed in mine	1	Kicked by a horse.....	4
Fell in mine.	1	Premature discharge of cannon.....	1
Powder blast.	1	Killed by circular saw.....	1
Rock falling on him in mine.	1	Thrown from wagon.....	3
Accidentally killed by falling rock.	1	Contusion of brain.....	1
Hurt in back in mine.	1	Bite of horse.....	1
Accident—falling from a tree.	2	Injury received in machine shop.....	1
Killed by a saw-log.	1	Caused by hurt.....	1
Shot himself by accident.	6	Fell on knife—cut his throat.....	1
Crushed by a wagon-box falling.	1	Killed in mill.....	3
Explosion of steam-boiler in mill.	2	Thrown from a horse.....	2
Injury.	3	Accidental breaking of hip.....	1
Killed in saw-mill.	1	Run over by wagon while intoxicated.....	1
Swallowing a button.	3	Killed by a cow.....	1
Killed in a well.	1	Supposed internal rupture resulting from a sudden fall.....	1
Accidental wound in throat.	2	Steam boiler explosion.....	5
Caused by a wagon.	1	Crushed by a wagon.....	1
Run over by a wagon.	1	Hurt at birth.....	1
Killed by his team.	2	Internal injury.....	1
Injury in mill.	1	Taking overdose of medicine—accident.....	1
Killed by a horse.	1	Killed by overturning of a load of lumber.....	1
Accidental fall of brick to sidewalk.	2	Burned by gas explosion in gas factory.....	1
Accidental scalding.	1	Burned by explosion of kerosene oil.....	1
Concussion of spine—accidental fall from wagon.	2	Broken leg—accidental.....	1
Accidental gun-shot wound.	1	Hanged by accident.....	1
Accidental fall from wagon.	2	Killed by a bull.....	1
Accident—fracture of skull.	4	Accidental poison.....	1
Shock, from accident.	1	Killed by falling into a well.....	1
Accidentally killed by falling on saw.	1	Accident—run over by steam fire engine.....	1
Accidental—team running away.	1	Boiler explosion in paper-mill.....	1
Breaking rollway of logs.	3	Fell from load of straw.....	1
Shot accidentally.	1	Crushed in saw-mill.....	1
Killed	14	Killed by a mower.....	1
Killed by a machine.	4	Fell, getting off the cars.....	1
Blow on the head.	1	Nail run in foot.....	1
Blow on the bowels.	1	By stepping on a stone.....	1
Accidental fall.	1	Killed by the falling of a barn.....	1
Internal injuries caused by jumping.	6	Falling through hatchway.....	1
Hurt in the neck.	1	Killed by falling of a scaffold.....	1
Killed by accident at barn raising.	1	Thrown from carriage.....	1
Accidental—an ax cutting back part of head whole width of ax-bit—lived 10 days.	1	Killed off own steps.....	1
Fell eight feet—paralysis of spine.	1	Run over.....	1
		Fracture of skull by falling off cars.....	1

EXHIBIT 9.—*Certain facts concerning Persons Returned as having died by Suicide in Michigan during the Year 1876.*

MONTH.	Day.	Age.	Condi- tion.	Sex.	Color.	Occupation.	Nativity.	Means Used.
January.....	31	30	M.	M.	W.	Farmer.....	Vermont.....	Hanging.
January.....	31	28	M.	M.	W.	Marble-cutter	Michigan.....	Morphine.
January.....	12	59	M.	M.	W.	Farmer.....	Michigan.....	Drowning.
February.....	23	35	W.	M.	W.	Grocer.....	Ohio.....	Hanging.
March.....	19	54	M.	M.	W.	Not Given.....	Germany.....	Not Given.
March.....	11	31	Unk.	F.	W.	Housekeeper.	New York.....	Not Given.
March.....	7	65	M.	M.	W.	Musician.....	Austria.....	Not Given.
April.....	27	15	S.	F.	W.	Unemployed..	New York.....	Drowning.
April.....	7	31	M.	M.	W.	Farmer.....	Michigan.....	Shooting.
April.....	16	30	M.	M.	W.	Not Given.....	New York.....	Gun-shot.
April.....	30	47	M.	M.	W.	Farmer.....	Ohio.....	Corros. Sublim.
April.....	21	29	M.	M.	W.	Soldier.....	Canada.....	Not Given.
April.....	23	23	S.	M.	W.	Farmer.....	Michigan.....	Not Given.
April.....	15	19	S.	M.	W.	Laborer.....	Michigan.....	Not Given.
May.....	6	68	M.	M.	W.	Farmer.....	New York.....	Poison.
May.....	29	Unk.	S.	M.	W.	Teamster.....	Canada.....	Hanging.
May.....	25	43	Unk.	M.	W.	"Saloon".....	Canada.....	Rat-poison.
May.....	16	52	M.	M.	W.	Farmer.....	Michigan.....	Gun-shot.
May.....	24	55	M.	M.	W.	Farmer.....	Canada.....	Paris Green.
May.....	23	18	S.	F.	W.	Unemployed..	Michigan.....	Drowning.
May.....	21	76	U.	F.	W.	Unknown.....	Poland.....	Not Given.
June.....	13	44	M.	M.	W.	Laborer.....	Norway.....	Not Given.
June.....	29	33	M.	M.	W.	Laborer.....	Germany.....	Poison.
June.....	5	42	M.	M.	W.	Not Given.....	Holland.....	Hanging.
June.....	16	33	M.	M.	W.	Laborer.....	New York.....	Not Given.
June.....	30	50	M.	M.	W.	Farmer.....	Pennsylvania.	Drowning.
June.....	24	45	Unk.	M.	W.	Lumberman..	Unknown.....	Poison.
June.....	10	55	M.	M.	W.	Farmer.....	Pennsylvania.	Not Given.
June.....	17	40	M.	M.	W.	Farmer.....	New York.....	Hanging.
July.....	12	43	M.	M.	W.	Farmer.....	England.....	Drowned.
July.....	9	33	M.	M.	W.	Laborer.....	Ohio.....	Hanging.
August.....	9	31	M.	M.	W.	Shoemaker....	England.....	Not Given.
August.....	15	75	M.	M.	W.	Moulder.....	Vermont.....	Morphine.
August.....	11	21	M.	F.	W.	Housekeeper.	New York.....	Drowning.
August.....	22	Unk.	S.	M.	W.	Farmer.....	England.....	Not Given.
September.....	2	29	M.	F.	W.	Housekeeper.	Ohio.....	Poison.
September.....	20	34	M.	M.	W.	Farmer.....	New York.....	Not Given.
September.....	30	32	M.	M.	W.	Farmer.....	Michigan.....	Poison.

CAUSES OF DEATH,—SUICIDES.

247

EXHIBIT 9.—CONTINUED.—*Suicidal Deaths, 1876.*

MONTH.	Day.	Age.	Condi- tion.	Sex.	Color.	Occupation.	Nativity.	Means Used.
September.....	18	32	S.	M.	W.	Hotel Clerk...	New York.....	Arsenic.
September.....	12	35	S.	M.	W.	Unemployed...	Vermont.....	"Piston."
October.....	Unk.	24	M.	F.	W.	Prostitute.....	Michigan.....	Opium.
October.....	29	54	M.	M.	W.	Machinist.....	Canada.....	Not Given.
October.....	27	34	M.	M.	W.	Farmer.....	Germany.....	Poison.
October.....	26	46	M.	M.	W.	Laborer.....	Germany.....	Not Given.
October.....	1	38	W.	F.	W.	House-wife...	New York.....	Poison.
October.....	26	45	M.	M.	W.	Farmer.....	Michigan.....	Shot himself.
November.....	6	23	S.	M.	W.	Farmer.....	Michigan.....	Pistol-shot.
November.....	20	58	M.	F.	W.	Farmer's wife	Michigan.....	Hanging.
November.....	3	50	M.	M.	W.	"Currine".....	Ireland.....	Poison.
November.....	6	50	S.	M.	W.	Currier.....	Ireland.....	Poison.
November.....	8	Unk.	S.	M.	W.	Farmer.....	Michigan.....	Poison.
December.....	31	28	S.	M.	W.	Druggist.....	Maine.....	Shooting.
December.....	27	62	W.	F.	W.	Domestic.....	England.....	Hanging.
December.....	3	39	M.	F.	W.	Unemployed...	Michigan.....	Poison.

OCCUPATIONS.	No.	OCCUPATIONS.	No.	OCCUPATIONS.	No.
Currier.....	1	House-wife.....	1	Shoemaker.....	1
"Currine".....	1	Laborers.....	6	Soldier.....	1
Domestic.....	1	Lumberman.....	1	Teamster.....	1
Druggist.....	1	Machinist.....	1	Unemployed.....	4
Farmer's Wife.....	1	Marble-cutter.....	1	Unknown.....	4
Farmers.....	19	Moulder.....	1		
Grocer.....	1	Musician.....	1	Total.....	54
Hotel Clerk.....	1	Prostitute.....	1		
Housekeepers.....	3	"Saloon".....	1		

NATIVITY.	No.	NATIVITY.	No.	NATIVITY.	No.
Austria.....	1	Maine.....	1	Poland.....	1
Canada.....	5	Michigan.....	14	Unknown.....	1
England.....	4	New York.....	10	Vermont.....	3
Germany.....	4	Norway.....	1		
Holland.....	1	Ohio.....	4	Total.....	54
Ireland.....	2	Pennsylvania.....	2		

EXHIBIT 9.—CONTINUED.—*Suicidal Deaths, 1876.*

MEANS USED.	NUMBER.		MEANS USED.	NUMBER.		MEANS USED.	NUMBER.	
	Males.	Females.		Males.	Females.		Males.	Females.
Drowning.....	3	3	Opium .....	.....	1	Shooting.....	6	.....
Hanging.....	6	2	"Piston".....	1	.....	Unknown	13	?
Morphine.....	2	.....	Poison.....	12	8	Total	43	11

The fifteen principal causes of death included in Table XVIII. represent more than half of the number of deaths in this State in 1876, according to the returns. Consumption heads the list, having caused 12.64 per cent of all the deaths returned for 1876. More females than males died from consumption in each of the years 1869-1876. In this connection it is well to remember that in the population of Michigan the males greatly outnumber the females.

TABLE XVIII.—*Order of Succession of Fifteen Principal Conditions and Causes of Death in Michigan in 1876, According to the Returns, Exhibiting for Each Specified Cause, by Sex, the Number of Deaths, and the Per Cent of Deaths from Each Cause to Deaths from All Causes.*

ORDER.	SPECIFIED CAUSES AND CONDITIONS, 1876.	NUMBER OF DEATHS.			PER CENT FROM EACH CAUSE TO DEATHS FROM ALL CAUSES.		
		Total.	Males.	Females.	Total.	Males.	Females.
1	Consumption.....	1,590	700	890	12.64	10.36	15.45
2	Still-born.....	a 646	356	258	5.14	5.27	4.48
3	Pneumonia.....	627	364	263	4.99	5.89	4.57
4	Old Age.....	483	228	255	3.84	3.37	4.48
5	Fever, Typhoid.....	426	233	193	3.39	3.45	3.35
6	Scarlet Fever.....	b 399	196	206	3.10	2.86	3.58
7	Apeplexy and Paralysis.....	337	188	149	2.68	2.78	2.59
8	Cholera Infantum.....	331	179	152	2.63	2.65	2.64
9	Heart Disease.....	320	185	135	2.54	2.74	2.34
10	Diphtheria	311	154	157	2.47	2.28	2.73
11	Diarrhea (Acute and Chronic).....	c 304	170	132	2.42	2.52	2.29
12	Brain, Inflammation of.....	275	148	127	2.18	2.19	2.19
13	Convulsions and Fits.....	275	149	126	2.19	2.21	2.19
14	Cancer	245	122	123	1.95	1.81	2.14
15	Bowels, Inflammation of.....	c 239	126	111	1.90	1.87	1.95
Total.....		d 6,808	3,496	3,277	54.13	51.73	56.88
All Causes.....		e 12,576	6,756	5,761	100.00	100.00	100.00

a Includes 32 unknown sex. b Includes 2 "Scarlet Rash," and 1 "Canker Rash." c Includes unknown sex. d Includes 36 unknown sex. e Includes 59 unknown sex.

EXHIBIT T.—Order of Succession of Fifteen Principal Causes of Death in Michigan for each of the Years 1870-1876.

Order	1870.	1871. ^a	1872.	1873.	1874.	1875.	1876.
1	Consumption.....	Consumption.....	Consumption.....	Consumption.....	Consumption.....	Consumption.....	Consumption.....
2	Scarlet Fever.....	Scarlet Fever.....	Pneumonia.....	Pneumonia.....	Pneumonia.....	Pneumonia.....	Still-born.....
3	Typhoid Fever.....	Pneumonia.....	Typhoid Fever.....	Typhoid Fever.....	Typhoid Fever.....	Still-born.....	Pneumonia.....
4	Diarrhea.....	Old Age.....	Scarlet Fever.....	Scarlet Fever.....	Still-born.....	Typhoid Fever.....	Old Age.....
5	Pneumonia.....	Typhoid Fever.....	Dysentery.....	Old Age.....	Scarlet Fever.....	Scarlet Fever.....	Typhoid Fever.....
6	Dysentery.....	Casualty.....	Diarrhea.....	Spinal Fever.....	Old Age.....	Old Age.....	Scarlet Fever.....
7	Old Age.....	Convulsions and Fits..	Old Age.....	Diarrhea.....	Diarrhea.....	Cholera Infantum..	Apoplexy and Paralysis
8	Convulsions and Fits..	Heart Disease.....	Cholera Infantum..	Brain, Infl. of.....	Heart Disease.....	Heart Disease.....	Cholera Infantum..
9	Heart Disease.....	Diarrhea.....	Brain, Infl. of.....	Heart Disease.....	Dysentery.....	Diarrhea.....	Heart Disease.....
10	Dropsy.....	Brain, Infl. of.....	Convulsions and Fits..	Dysentery.....	Cholera Infantum..	Apoplexy and Paral..	Diphtheria.....
11	Brain, Infl. of..... ^b	Apoplexy and Paral..	Small-pox.....	Cholera Infantum..	Brain, Infl. of.....	Convulsions and Fits..	Diarrhea.....
12	Brain Disease.....	Dropsy.....	Heart Disease.....	Convulsions and Fits..	Convulsions and Fits..	Brain, Inflam. of....	Brain, Infl. of.....
13	Bowels, Infl. of..... ^c	Bowels, Infl. of.....	Bowels, Infl. of.....	Bowels, Infl. of.....	Apoplexy and Paral..	Bowels, Inflam. of....	Convulsions and Fits..
14	Cholera Infantum..	Brain Disease.....	Apoplexy and Paral..	Childbirth.....	Dropsy.....	Casualty.....	Cancer.....
15	Casualty.....	Dysentery.....	Childbirth.....	Apoplexy and Paral..	Diphtheria.....	Dropsy.....	Bowels, Infl. of.....

^a This is somewhat different from the similar Exhibit in Report for 1871, because Convulsions and Fits are here combined, as are also Apoplexy and Paralysis, thus changing the order of succession.

^b "Cephalitis" in Reports previous to 1871.

^c "Enteritis" in Reports previous to 1871.

TABLE XIX.—Deaths from Ten Specified Causes, Returned as having occurred in Michigan, during the Year 1876, Exhibiting the Number of each Sex, Total Number in each Month, and at Different Periods of Age.

SEX, MONTHS, AND AGES.		CAUSES OF DEATH IN 1876.									
		Cancer.	Cepha- litis.	Croup. ^b	Diar- rhea. ^c	Diph- theria.	Dysen- tery. ^d	Measles.	Scarlet Fever. ^e	Typhoid Fever.	Whoop- ing- cough.
SEX.	Total.....	241	275	178	304	311	195	118	399	426	181
	Males.....	118	148	105	170	154	106	56	193	233	89
	Females.....	123	127	73	132	157	89	62	206	193	92
	Unknown.....				2						
MONTHS.	January.....	23	10	21	6	24	3	8	39	18	6
	February.....	8	19	12	6	16	1	20	56	18	8
	March.....	17	20	12	4	21	3	22	50	19	9
	April.....	17	21	9	4	12	4	19	48	20	14
	May.....	23	18	7	9	14	5	15	55	17	8
	June.....	13	16	8	12	13	9	4	26	19	14
	July.....	21	26	2	69	12	24	4	12	29	23
	August.....	23	46	12	98	24	77	7	20	54	37
	September.....	31	39	21	60	39	50	6	17	82	17
	October.....	23	18	25	20	51	11	3	23	66	21
	November.....	20	18	28	6	46	4	3	24	49	9
	December.....	18	23	25	9	33	4	7	29	34	6
	Unknown.....		1	1	1	1				1	
AGES.	Av. Month..... ^a	20	23	15	25	26	16	10	33	35	15
	Under 5.....	15	181	151	261	140	142	77	224	45	163
	5 to 10.....		33	20	8	103	6	17	110	26	8
	10 to 15.....	3	15	5	1	34	2	5	34	32	7
	15 to 20.....	2	11		2	9	3	8	15	57	1
	20 to 25.....	3	8		2	5	4	5	7	52	1
	25 to 30.....	5	4		3	1	1	1	1	26	
	30 to 35.....	9	2		2	5	2	2	2	14	
	35 to 40.....	12	2			3	3			29	1
	40 to 45.....	17	3		3	1	1	2	1	19	
	45 to 50.....	17	3				2		2	18	
	50 to 55.....	33	7		2	1	2			11	
	55 to 60.....	34	3		3		4			20	
	60 to 65.....	27	2		2		3	1		13	
	65 to 70.....	23	4		2	1	4			22	
	70 to 75.....	14	1		3	1	8			14	
	75 to 80.....	9			2		4			4	
	80 and over.....	15	1		3		2			2	
	Unknown.....	3		2	5	7	2		3	12	1

^a Excluding deaths in unknown month. ^b Includes 21 "Membranous Croup." ^c Includes 1 "Chronic." ^d Includes 1 "Chronic." ^e Includes 2 "Scarlet Rash," and 1 "Canker Rash."

TABLE XX.—*Per Cent of Deaths Returned as having occurred in Michigan during the Year ending December 31, 1876, from each of Ten Specified Causes to Deaths from All Causes; and Per Cent of each Sex, of Deaths in each Month and at Different Periods of Life, to Total Deaths from each Specified Cause.*

SEX, MONTHS, AND AGES.		TEN CAUSES OF DEATH IN 1876,—PER CENT.									
		Cancer.	Cepha- litis.	Croup.	Diar- rhea.	Diph- theria.	Dysen- tery.	Measles.	Scarlet Fever.	Typhoid Fever.	Whoop- ing Cough.
Per Ct. of All Causes.		1.92	2.19	1.42	2.42	2.47	1.55	.94	3.17	3.39	1.44
SEX.	Males.....	48.96	53.82	58.99	55.92	49.52	54.36	47.46	48.37	54.69	49.17
	Females.....	51.04	46.18	41.01	43.42	50.48	45.04	52.54	51.63	45.31	50.83
	Unknown.....				.66						
MONTHS.	January.....	9.13	3.64	11.80	1.97	7.72	1.54	6.78	9.77	4.23	3.31
	February.....	3.32	6.91	6.74	1.97	5.14	.51	16.95	14.04	4.23	4.42
	March.....	7.05	7.27	6.74	1.32	6.75	1.54	18.64	12.53	4.46	4.97
	April.....	7.05	7.64	5.06	1.32	3.86	2.05	16.10	12.03	4.69	7.73
	May.....	9.54	6.55	3.93	2.96	4.50	2.56	12.71	13.79	3.99	4.42
	June.....	5.39	5.82	1.69	3.95	4.18	4.62	3.39	6.51	4.46	7.73
	July.....	8.71	9.45	1.12	22.70	3.86	12.31	3.39	3.01	6.81	17.68
	August.....	9.54	16.73	6.74	32.24	7.72	39.49	5.93	5.01	12.68	20.44
	September.....	12.86	14.18	11.80	19.74	12.54	25.64	5.08	4.26	19.25	9.39
	October.....	11.62	6.55	14.04	6.58	16.40	5.64	2.54	5.76	15.49	11.60
	November.....	8.30	6.55	15.73	1.97	14.79	2.05	2.54	6.02	11.50	4.97
	December.....	7.47	8.36	14.04	2.96	12.22	2.05	5.93	7.27	7.98	3.31
	Unknown.....		.95	.56	.33	.32				.23	
Av. Month.....*	8.33	8.30	8.29	8.31	8.31	8.33	8.33	8.33	8.31	8.33	
AGES.	Under 5.....	6.22	65.82	84.83	85.86	45.02	72.82	65.25	56.14	10.56	89.50
	5 to 10.....		12.00	11.24	2.63	33.12	3.09	14.41	27.57	6.10	4.42
	10 to 15.....	1.24	5.45	2.80	.33	10.93	1.03	4.24	8.52	7.51	3.88
	15 to 20.....	.83	4.00		.66	2.89	1.54	6.78	3.76	13.38	.55
	20 to 25.....	1.24	1.09		.66	1.61	2.05	4.24	1.75	12.21	.55
	25 to 30.....	2.07	1.45		.99	.32	.51	.85	.25	8.45	
	30 to 35.....	3.73	.73		.66	1.61	1.03	1.69	.50	3.29	
	35 to 40.....	4.98	.73			.91	1.54			6.81	.55
	40 to 45.....	7.05	1.09		.99	.32	.51	1.69	.25	4.46	
	45 to 50.....	7.05	1.09				1.03		.50	4.23	
	50 to 55.....	13.69	2.55		.66	.32	1.03			2.58	
	55 to 60.....	14.11	1.09		.99		2.05			4.69	
	60 to 65.....	11.20	.73		.66		1.54	.85		3.05	
	65 to 70.....	9.54	1.45		.66	.32	2.05			5.16	
	70 to 75.....	5.81	.36		.99	.32	4.10			3.29	
	75 to 80.....	3.73			.66		2.05			.94	
80 and over.....	6.22	.36		.99		1.03			.47		
Unknown.....	1.24		1.12	1.64	2.25	1.03		.75	2.82	.55	

* Excluding deaths in unknown month.

The ten causes of death tabulated in Tables XIX. and XX. are the same as are tabulated in the corresponding tables in previous Reports. They are separately studied farther on in this Report, most of them being taken up in alphabetical order, though this order is not maintained with reference to consumption, which is carried over to be considered in connection with pneumonia, and tables relative to meteorological conditions, deaths from all causes, etc., are inserted so as to precede the consideration of some of the causes specified in Tables XIX. and XX.

Cancer.—This disease was reported to have caused 241 deaths in Michigan in 1876,—1.92 per cent of the deaths from all causes. In each of the years 1869–1876, there was an excess of females among the decedents from cancer, the average annual excess for the eight years being 22. In 1876 the excess is smaller than in any previous year. Nearly one-quarter of all the deaths from cancer in 1876 occurred in the two months of September and October; and 39 per cent were of persons between the ages of 50 and 65 years. Of the 241 deaths from this disease in 1876, the part affected was stated in 146 cases, and of the other 95 the part affected was unspecified. Cancer of stomach was most frequent, 65 cases having been returned, as shown by Exhibit S, below. The breast was next most frequently affected by cancer, 20 cases having been reported for 1876. Exhibit S facilitates the study of this subject.

EXHIBIT S.—*Deaths from Cancer Returned as having occurred in Michigan during the Year 1876, indicating part of body affected.*

AS RETURNED.	Total.	Males.	Fe- males.	AS RETURNED.	Total.	Males.	Fe- males.
Cancer in Stomach.....	65	42	23	Cancer of Throat.....	2	.....	2
Cancer of Womb.....	9	.....	9	Cancer on Lungs.....	1	.....	1
Cancer of Liver.....	5	3	2	Cancer tumor in Bowels.....	1	1	.....
Cancer in Mouth.....	5	5	.....	Cancer in Bladder.....	1	1	.....
Cancer of Face.....	11	7	4	Cancer of Rectum.....	1	1	.....
Cancer on Breast.....	20	2	18	Cancer of Heart.....	1	.....	1
Cancer in the Eye.....	3	2	1	Cancer in Hip.....	1	.....	1
Cancer in Head.....	1	1	.....	Cancer in Chest.....	2	1	1
Cancer on Lip.....	6	6	.....			
Cancer of Bowels.....	6	1	5	Total Specified.....	146	75	71
Cancer in Pancreas.....	1	.....	1	Cancer (Unspecified).....	95	43	52
Cancer, Internal.....	2	1	1				
Cancer in the Arm.....	2	1	1	Aggregate.....	241	118	123

Exhibit Z is a new one, published in this Report for the first time, and shows the reported causes of certain deaths which were compiled with the unknown in Table XVII. An examination of the exhibit will show the various names returned as causes of deaths which could not be interpreted with certainty; and it is hoped that the number of deaths compiled as having occurred from unknown causes will be decreased in future Reports, as it may be by a little effort on the part of the enumerators to ascertain the specific cause of each death reported.

EXHIBIT Z.—Deaths in Michigan in 1876, Compiled as Unknown.

CAUSES AS RETURNED.	Number.	CAUSES AS RETURNED.	Number.
Total number compiled Unknown in Table XVII.....	1,229	Inflammation Side.....	1
Head Disease.....	3	Puerperal Exhaustion.....	1
Black Canker.....	1	Puerperal Omissions.....	1
Complication of Diseases.....	3	Congestion of System.....	1
Urine Trouble.....	1	Neglect.....	1
Swelling in Side.....	1	Enlargement of Receptive Organs.....	1
Congestion.....	9	Consumption of Nerves.....	1
Pain in Side.....	1	Private Disease.....	1
Female Weakness.....	1	Bone Frost.....	1
Running Evil.....	1	Wasted Away.....	3
Congestion of Blood.....	1	Malaria.....	2
Malarial Congestion.....	1	Dropsy of Stomach.....	3
Sore Head and Face.....	1	Exhaustion.....	7
"Tung".....	1	Unknown.....	1,180

Cephalitis.—Two hundred and seventy-five (275) deaths were returned as having been caused by cephalitis in Michigan in 1876,—148 males and 127 females. In each of the years 1869–1876, except 1870, there was an excess of deaths of males from this disease. The largest per cent in 1876 is shown for the month of August; and 65.82 per cent of all the decedents from cephalitis were under five years of age. Of the deaths from all causes in this State in 1876, 2.19 per cent were caused by cephalitis.

Measles.—This disease was reported to have caused 118 deaths in this State in 1876, which was 94 per cent of the deaths from all causes. The largest per cent occurred in March, and 64.40 per cent of the deaths from measles died in the four months of February, March, April, and May. A very large proportion of the decedents from this disease were children, 65.25 per cent being under five years of age, and 79.66 per cent being under ten years of age. These are nearly the same proportions as are shown for cephalitis.

Whooping-cough.—According to the returns, 181 deaths from whooping-cough occurred in this State in 1876,—1.44 per cent of the deaths from all causes. More than one-fifth of these died in August, and 89.50 per cent were under five years of age. The number of deaths from this disease in 1876 was greater than in any previous year except 1872 and 1873; and there was an excess of females in each year except these two.

METEOROLOGICAL CONDITIONS, AND THEIR RELATIONS TO DEATHS.

Before continuing the study of the other causes of death specified in Tables XIX. and XX., tables and diagrams stating the principal meteorological conditions at a station near the center of the thickly-settled part of the State are here inserted, as also tables showing the deaths from all causes by months and their relations to coincident conditions.

EXHIBIT 10.—TEMPERATURE.—Average by Years and by Months, for the Years 1867 to 1876, inclusive, at the Agricultural College, near Lansing, Michigan, and near the center of the thickly-settled part of the State. (Results of Observations by Prof. R. C. Kedzie.)

YEARS.	ANNUAL AVERAGE.	AVERAGE TEMPERATURE, STATED IN DEGREES FAHRENHEIT, BY MONTHS.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1867.....	46.96	17.61	30.89	29.72	48.20	51.11	71.61	71.60	69.78	56.60	50.60	40.44	25.31
1868.....	46.35	19.00	18.72	37.80	43.68	59.08	68.46	77.19	70.33	58.77	45.19	36.77	21.16
1869.....	46.27	29.38	26.66	27.60	45.70	56.02	64.45	70.35	70.58	63.45	40.80	32.05	28.18
1870.....	49.11	25.37	24.25	30.28	50.39	64.32	70.87	74.40	70.11	63.66	52.45	38.40	24.89
1871.....	47.93	24.75	25.65	38.18	50.13	61.39	68.21	70.60	71.19	58.10	53.91	31.95	21.12
1872.....	45.54	21.59	21.34	24.75	47.39	58.48	71.82	74.91	71.22	62.03	47.44	29.80	15.74
1873.....	44.54	15.87	19.10	28.30	43.17	56.98	70.60	70.82	69.49	57.38	44.68	28.49	22.54
1874.....	47.32	27.70	25.51	32.30	36.87	59.58	70.61	72.02	69.39	62.85	49.10	35.00	26.96
1875.....	43.00	12.87	8.35	26.20	41.11	60.82	66.57	69.67	65.48	58.50	42.93	32.96	31.58
1876.....	46.17	30.22	27.38	30.55	44.16	57.95	68.14	72.48	71.55	56.20	43.74	36.33	15.23
Av. for 10 years.	46.33	22.44	22.79	30.57	45.08	58.57	69.13	72.40	69.91	59.76	47.08	34.22	23.95

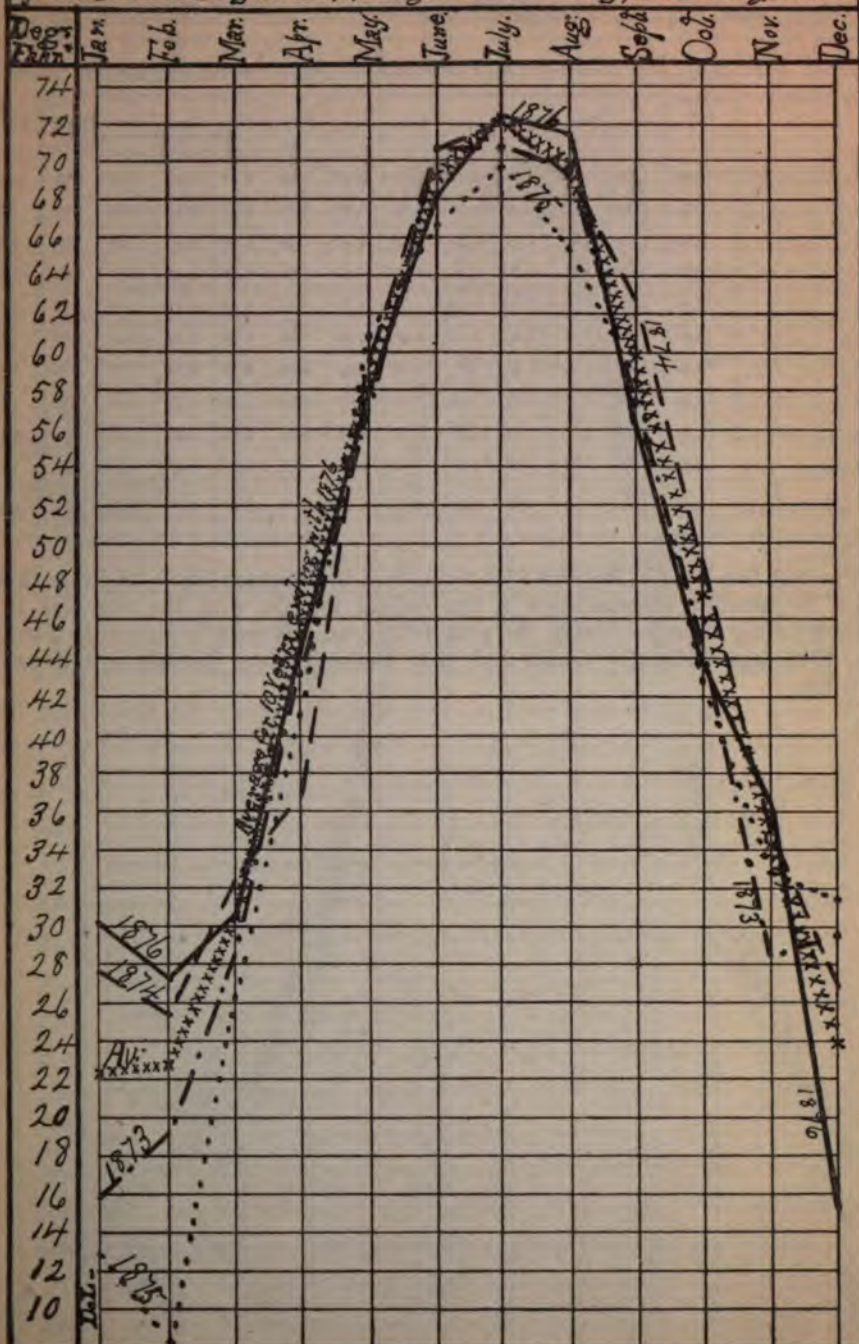
The last five lines in Exhibit 10 are graphically shown in Diagram No. 6, opposite this page, which enables one to study the temperature characteristics of each month in the year 1876, and to compare them with the corresponding monthly averages for the ten years ending with 1876, and for each of those years. From Exhibit 10 it may be seen that the average for the entire year 1876 was about the annual average for the 10 years; but from Diagram No. 6 it is evident that January, February, and August, 1876, were unusually warm, and that December, 1876, was unusually cold.

TABLE XXXI.—TEMPERATURE.—Exhibiting the Mean Temperature; the Highest and Lowest Temperature; the Monthly Range; the Mean Daily Range; the Mean Range from Day to Day; and the Greatest Rise or Fall of Thermometer in 24 Hours and in 14 Hours for each Month of the Year 1876, at the Agricultural College, near Lansing, Michigan.

YEAR AND MONTHS, 1876.	TEMPERATURE.—FAHRENHEIT, 1876.									
	THREE DAILY OBSERVATIONS, AT 7 A. M., 2 P. M., AND 9 P. M.				AVERAGE RANGE.		GREATEST CHANGE IN 24 HOURS.		GREATEST CHANGE IN 14 HOURS.—7 A. M. TO 9 P. M.	
	Mean.	High- est.	Low- est.	Range.	Daily.	From Day to Day.	Degrees of Rise and Fall.	Day and Month.	Degrees of Rise and Fall.	Day of Month.
Year, 1876.....	46.17	95	—9	104	13.60	16.33	F. 44	Jan. 10	R. 35	Aug. 28
January.....	30.22	62	8	54	10.81	15.77	F. 44	10	F. & R. 22	9, 26
February.....	27.38	57	0	57	12.76	16.66	F. 37	2	F. 28	1
March.....	30.55	58	0	58	12.84	14.39	R. 29	3	R. 29	3
April.....	44.16	71	24	47	12.80	14.47	R. 23	11	R. 20	11
May.....	57.95	86	31	55	15.26	17.90	R. & F. 33	25, 30	R. 23	25
June.....	68.14	91	51	40	13.17	16.53	R. 25	26	F. 25	25
July.....	72.48	93	54	39	15.87	17.90	R. 25	31	R. 25	31
August.....	71.55	95	47	48	17.74	20.97	R. 35	28	R. 35	28
September.....	56.30	79	39	40	15.20	18.00	R. 33	19	R. 33	19
October.....	43.74	74	21	53	14.94	16.45	R. 32	18	R. 32	18
November.....	36.33	61	15	46	8.98	12.00	R. 24	10	R. 24	10
December.....	15.23	38	—9	47	12.84	14.90	F. 32	16	R. 32	11

DIAGRAM No. 6.

Average Temperature, by months, for the Years 1873, 1874, 1875, and 1876, and Average for 10 Years ending with 1876, at Agricultural College, near Lansing, Mich.



*Scale = 10 Degrees to the inch.

Designed by Henry B. Baker.

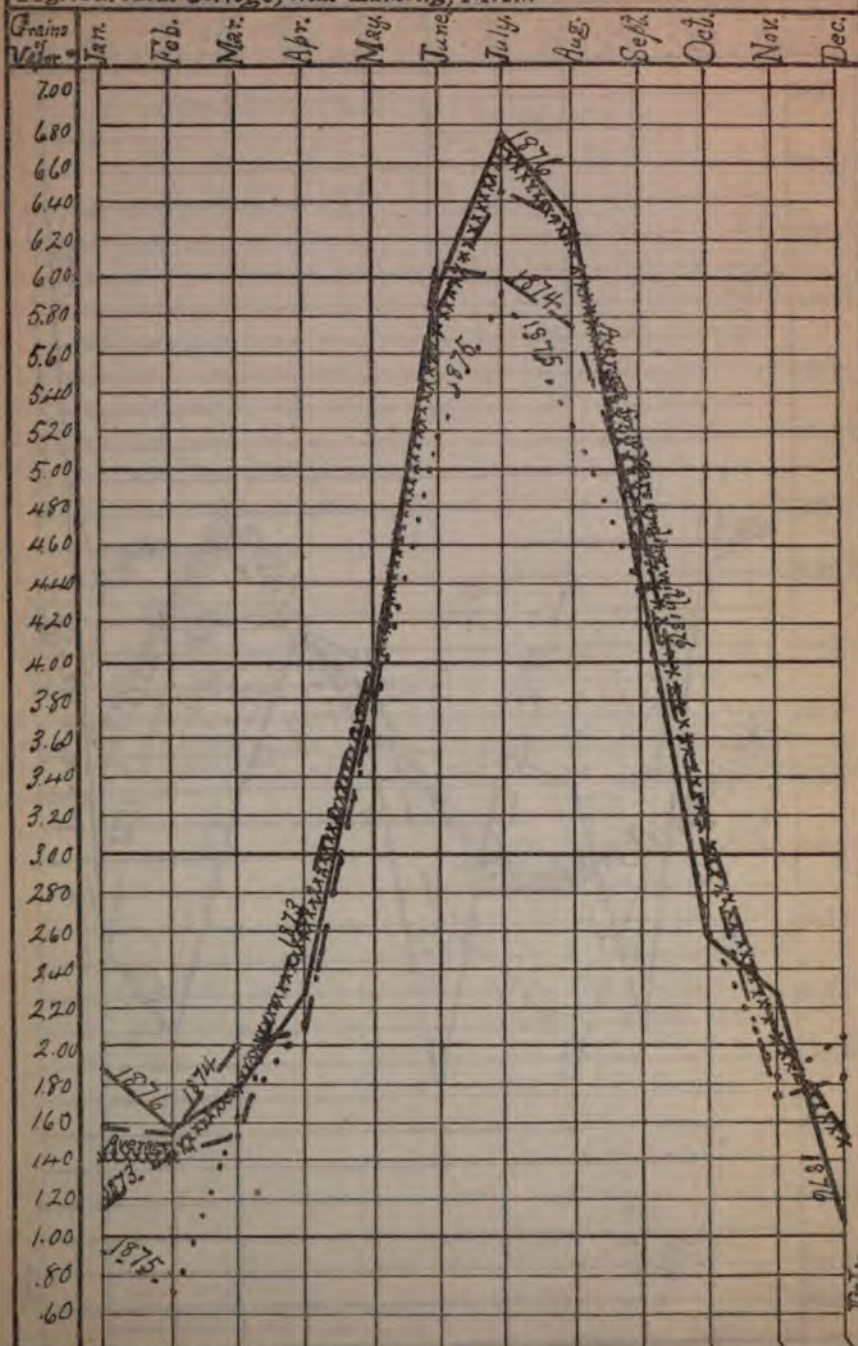
EXHIBIT 11.—ABSOLUTE HUMIDITY.—*Grains of Vapor in a Cubic Foot of Air, by Months, for the Years 1867 to 1876, inclusive, at the Agricultural College, near Lansing, Michigan.*

YEARS.	ANNUAL AVER- AGE.	GRAINS OF VAPOR IN CUBIC FOOT OF AIR, BY MONTHS.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1867.....	3.26	1.12	1.80	1.59	2.26	2.68	6.09	6.00	5.73	4.97	3.25	2.25	1.42
1868.....	3.31	1.10	1.13	2.50	2.61	3.78	3.50	8.51	5.90	4.20	2.75	2.28	1.39
1869.....	3.42	1.93	1.78	1.49	2.56	3.65	5.52	6.49	6.56	5.13	2.56	1.89	1.52
1870.....	3.90	1.50	1.35	1.78	3.06	4.92	6.45	7.19	6.54	5.45	3.95	2.22	1.70
1871.....	3.56	1.63	1.58	2.28	3.00	4.53	5.77	6.35	6.43	4.41	3.48	1.89	1.32
1872.....	3.70	1.31	1.23	1.32	2.99	4.29	6.78	7.33	7.15	5.57	3.40	1.89	1.13
1873.....	3.36	1.14	1.43	1.52	2.71	4.00	5.85	6.45	6.29	4.50	2.92	1.73	1.82
1874.....	3.36	1.58	1.55	2.00	2.08	3.77	6.07	6.00	5.75	4.73	3.15	2.06	1.55
1875.....	3.11	0.92	0.73	1.63	2.12	3.74	5.17	5.91	5.22	4.38	2.57	1.84	2.05
1876.....	3.40	1.88	1.57	1.78	2.26	3.93	5.95	6.76	6.31	4.43	2.56	2.26	1.09
Av. for 10 years.	3.44	1.41	1.42	1.79	2.57	3.93	5.72	6.70	6.20	4.78	3.06	2.03	1.50

The last five lines in Exhibit 11 are pictured in Diagram No. 7, opposite this page, to facilitate comparisons of the several months with the averages for corresponding months during the past few years. It may be seen that January, 1876, was unusually moist, and that December and October were unusually dry.

DIAGRAM No. 7.

Humidity of Atmosphere (Grains of Vapor in Cubic Foot of Air), by months, for the Years 1873, 1874, 1875, and 1876, and Average for 10 Years ending with 1876, Agricultural College, near Lansing, Mich.



*Scale = 1.00 Grain to the inch.

Designed by Henry B. Baker.

DIAGRAM No. 8.

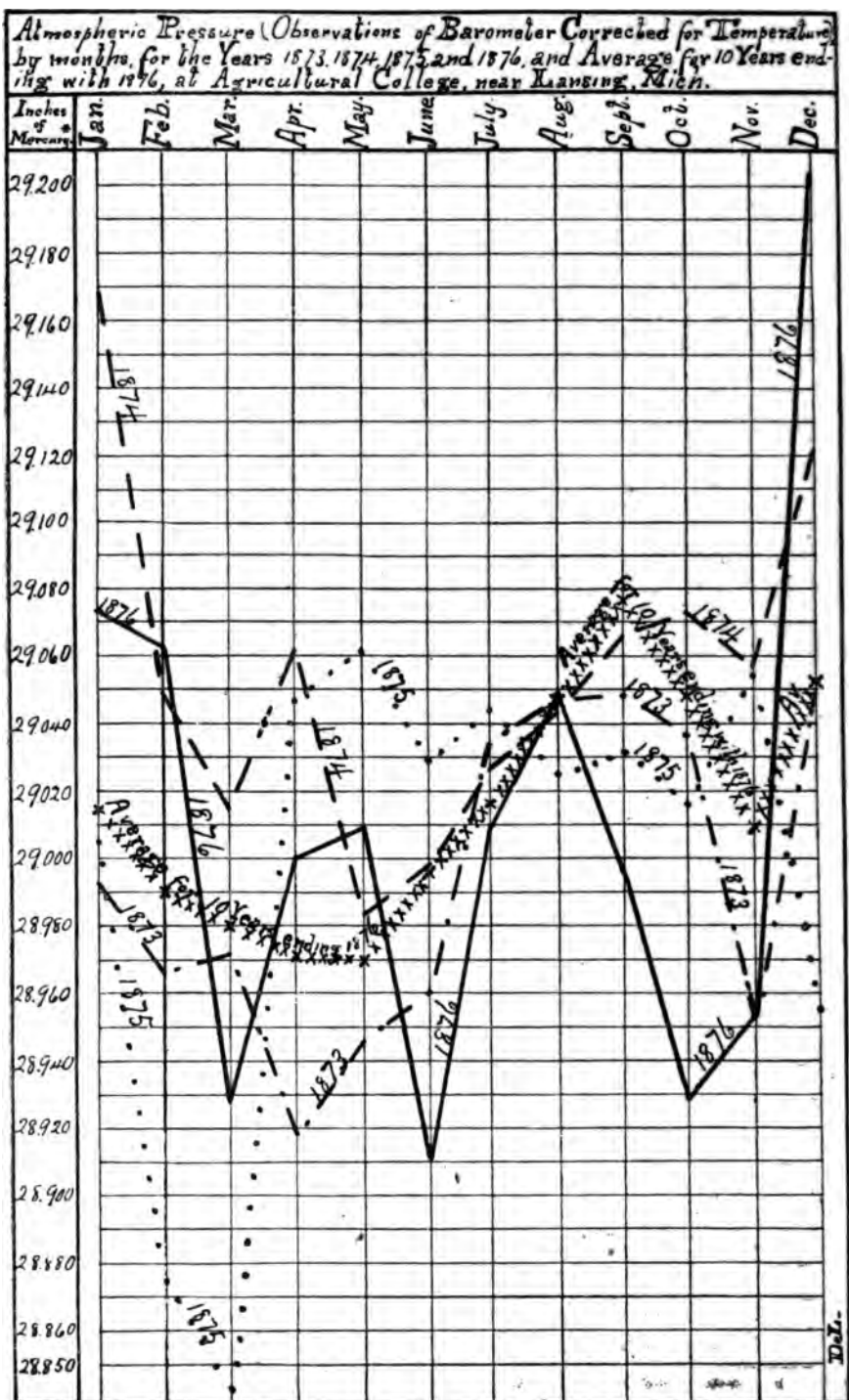


EXHIBIT 12.—PRESSURE OF THE ATMOSPHERE.—*Observations of Barometer reduced to Freezing point, and corrected for instrumental error (+.12) previous to 1875, for each of the Years 1867 to 1876, inclusive, and the average for 10 Years ending with 1876, at the Agricultural College, near Lansing, Michigan. (Based upon Observations made by Prof. R. C. Kedzie.)*

YEARS.	ANNUAL AVER- AGE.	PRESSURE OF THE ATMOSPHERE, STATED IN INCHES OF MERCURIAL COLUMN, BY MONTHS.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1867..	29.002	28.977	29.024	29.050	28.873	28.901	28.902	29.035	29.031	29.120	29.080	28.952	28.988
1868..	29.051	29.014	29.134	29.007	29.031	28.942	29.106	29.032	29.063	29.056	29.120	29.029	29.078
1869..	29.007	28.950	28.959	29.054	28.947	28.869	28.976	28.964	29.088	29.140	29.040	28.963	29.119
1870..	28.996	28.987	28.927	28.965	29.022	28.977	29.000	28.956	29.010	29.142	29.059	29.023	28.892
1871..	28.988	29.023	28.936	28.930	28.842	29.024	28.985	29.011	29.027	29.158	29.029	29.084	29.000
1872..	29.007	28.958	28.962	29.031	28.972	28.988	28.999	29.044	29.087	29.010	29.089	29.001	29.112
1873..	28.994	28.993	28.967	28.972	28.918	28.946	28.960	29.034	29.047	29.048	29.037	28.953	29.049
1874..	29.055	29.168	29.048	29.015	29.061	28.984	28.998	29.027	29.044	29.066	29.073	29.057	29.121
1875..	28.998	29.005	28.875	28.844	29.047	29.061	29.029	29.044	29.025	29.031	29.016	29.054	28.955
1876..	29.010	29.073	29.063	28.929	29.000	29.009	28.911	29.009	29.048	28.965	28.929	28.953	29.208
Av... ^a	29.011	29.015	28.990	28.980	28.971	28.970	28.996	29.016	29.047	29.077	29.048	29.009	29.062

^a Average for 10 years, ending with 1876.

Graphic representations of each of the last five lines in Exhibit 12 are given in Diagram No. 8, opposite this page. It will be seen that the curve representing the atmospheric pressure by months in 1876 is not much like the average line for 10 years, the pressure being high in January, February, April, May, and December, 1876, and low in March, June, September, October, and November, 1876.

TABLE XXX.—*Exhibiting for the Year, for each Month, and an Average Month, during the Year 1876, the Mean Hight and Range of Barometer; the Direction of the Prevailing Winds; the Relative Humidity; the Per Cent of Cloudiness; the Number of Days on which it Rained or Snowed; and the Depth of Rain and Melted Snow in Inches, at the Agricultural College, near Lansing, Michigan.*

YEAR AND MONTHS, 1876.	Barometer, Reduced to Fahrenheit, —Average.	Range of Barometer.	DAYS OF PREVAILING WINDS,—1876.										Relative Humidity, or Per Cent of Saturation,—Average.	Per Cent of Cloudiness of Sky,—Average.	Number of Days on which it Rained or Snowed.	Rain and Melted Snow, in Inches.	OZONE—RELATIVE MAXIMUM = 10.	
			North.	North-east.	East.	South-east.	South.	South-west.	West.	North-west.	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.						
Year, 1876.....	29.010	1.800	14	26	6	42	18	144	36	71	81	58	139	30.55	3.68	4.11		
January.....	29.073	1.626	1	—	2	2	1	18	6	1	84	58	15	1.63	5.32	6.90		
February.....	29.063	1.033	1	3	1	3	5	5	4	6	84	58	12	3.04	5.76	7.27		
March.....	28.929	1.812	3	4	1	2	4	6	5	6	95	65	17	4.84	6.06	7.00		
April.....	29.000	1.508	1	2	—	4	3	10	7	3	66	51	8	2.08	3.70	5.53		
May.....	29.009	1.214	1	1	—	7	—	12	2	7	73	52	14	4.13	3.10	4.13		
June.....	28.911	.511	—	—	—	1	2	21	1	4	79	50	13	4.34	1.87	2.27		
July.....	29.009	.507	—	6	—	3	—	14	2	6	78	46	8	2.10	2.16	1.58		
August.....	29.048	.459	1	2	—	3	—	17	—	6	76	43	8	1.28	1.97	1.36		
September.....	28.995	.500	2	4	—	2	—	9	—	12	83	57	9	3.65	2.60	1.73		
October.....	28.929	.923	—	2	—	6	—	12	2	9	76	59	13	1.26	3.45	3.43		
November.....	28.953	.940	3	1	—	6	1	9	2	5	85	80	12	.91	3.57	3.33		
December.....	29.203	1.090	1	1	2	3	2	11	5	6	92	72	10	1.29	4.57	4.81		
Monthly Average	29.010	1.010	1.17	2.17	.50	3.50	1.0	12.00	3.00	5.92	81	58	11.58	2.53	3.68	4.11		

TABLE XXXII.—By Months, some Meteorological conditions at certain Localities in Michigan during the Year 1876.

MONTHS, 1876.	DETROIT, MICH.				ESCANABA, MICH.				GRAND HAVEN, MICH.				MARQUETTE, MICH.			
	Average Temperature.	Average Temperature, Fahr.	Total Rainfall, Inches.	Prevailing Wind.	Average Barometer.	Average Temperature, Fahr.	Total Rainfall, Inches.	Prevailing Wind.	Average Barometer.	Average Temperature, Fahr.	Total Rainfall, Inches.	Prevailing Wind.	Average Barometer.	Average Temperature, Fahr.	Total Rainfall, Inches.	Prevailing Wind.
YEAR, 1876.....	29.968	47.4	40.40	S. W.	29.954	39.8	42.44	N. W.	29.959	47.2	46.29	*	29.952	40.7	31.44	W
January.....	30.036	39.4	2.00	W.	29.975	20.1	2.84	N. W.	30.018	31.9	3.67	N. W.	29.965	21.1	0.60	W.
February.....	30.036	28.6	5.59	W.	30.027	16.1	1.69	N. W.	30.018	29.6	2.41	E.	30.033	16.7	0.63	W.
March.....	29.979	29.8	5.50	N. W.	30.054	20.0	3.44	N.	29.982	30.6	1.99	E.	30.082	22.1	1.70	N. W.
April.....	29.964	41.0	1.80	W.	29.900	35.8	4.66	N.	29.941	44.7	3.18	W.	29.934	37.9	1.28	W.
May.....	29.975	57.5	5.62	S. W.	29.969	47.8	6.07	N.	29.953	53.9	5.43	S. W.	29.976	49.4	3.84	N. W.
June.....	29.863	69.3	1.51	S. W.	29.869	53.9	6.39	S.	29.838	65.7	9.35	W.	29.865	58.2	8.18	E.
July.....	29.945	73.0	5.94	S. W.	29.941	68.1	5.05	S.	29.948	71.1	3.51	S. W.	29.915	66.9	3.07	N. W.
August.....	30.002	72.1	2.46	S. W.	29.965	67.9	3.43	S.	29.968	70.5	1.82	S.	29.944	68.1	1.95	S.
September.....	29.953	69.1	2.81	E.	29.968	55.9	2.24	N.	29.967	58.6	6.24	E.	29.992	54.8	4.22	W.
October.....	29.917	46.2	2.59	S. W.	29.882	39.7	3.43	W.	29.887	47.1	2.28	N. W.	29.838	40.2	2.81	W.
November.....	29.935	38.6	2.32	S. W.	29.918	33.4	2.70	N. W.	29.954	39.0	5.96	S. E.	29.945	34.8	2.32	N. W.
December.....	30.015	18.5	1.96	W.	30.024	14.6	0.57	N. W.	30.030	21.9	1.16	W.	29.986	17.6	0.82	W.
Average Month.....	29.968	47.4	3.37	.....	29.954	39.8	3.54	.....	29.959	47.2	3.86	.....	29.952	40.7	2.62	.....

* Westerly.

Table XXXII. is made from Report of the Chief Signal Officer for 1876 and 1877.

VITAL STATISTICS OF MICHIGAN, 1876.

EXHIBIT 13.—ALL CAUSES.—Deaths Returned as having occurred from All Causes, in Michigan, during each of the Years 1869-1876; Per Cent of Deaths to the Estimated Population^a in each Year, and some coincident Meteorological conditions at the Agricultural College, near Lansing, and near the center of the thickly-settled part of the State.

YEARS 1869-1876, IN ORDER BY PER CENT OF REPORTED DEATHS FROM ALL CAUSES TO ESTIMATED INHABITANTS, YEAR OF GREATEST DEATH- RATE FIRST.	Estimated Inhabitants. a	DEATHS REPORTED.		TEMPERATURE.—FAHR.; MEAN OF THREE DAILY OBSERVATIONS,—7 A. M., 2 P. M., AND 9 P. M.			HUMIDITY OF ATMOSPHERE, Etc.—MONTHLY AVERAGES.				ORONK.—REL- ATIVE. MAXIMUM=10.		Barometer Reduced to 32° Fahr.— Average.	Rain and Melted Snow, in Inches.	RANGE OF BAROMETER.	
		Number.	Per Cent of Deaths to Es- timated Inhabitants.	AVERAGE RANGE.		Temperature.	Relative Humidity, or Per Cent of Saturation.	Force or Pressure of Va- por, in Inches.	Weight, in Grains, of Va- por in a Cubic Foot of Air. b	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	Annual.			Average Daily.	
				Daily.	From Day to Day,— 2 P. M. to 2 P. M.											
More than the Av. Death-rate.	1873.....	1,298	1.03	14.37	17.67	41.54	80	.297	3.36	4.02	4.63	28,874	31.745	1,307	.141	
	1872.....	13,371	1.03	15.31	18.14	45.54	83	.328	3.70	2.82	4.24	28,887	28,883	1,902	.123	
	1870.....	10,766	.91	17.11	19.03	49.10	81	.341	3.90	.....	.....	28,876	37.757	1,366	.....
Average.....		11,792	.89	15.86	18.14	46.21	80	.306	3.49	3.83	4.40	28,920	29,833	2,234	.169	
Less than the Av. Death-rate.	1874.....	12,600	.88	15.65	18.27	47.05	78	.294	3.36	4.10	3.99	29,935	22,920	2,069	.130	
	1869.....	9,145	.86	15.00	.....	46.27	81	.302	3.49	.....	.....	28,887	33,153	1,690	.....
	1876.....	12,576	.81	13.60	16.33	46.17	81	.300	3.40	3.68	4.11	29,010	30,533	1,890	.133	
	1875.....	11,990	.81	15.34	17.65	43.09	79	.267	3.11	4.53	5.04	29,003	28,437	1,628	.306	
	1871.....	9,728	.78	14.52	19.27	47.93	80	.315	3.56	.....	.....	28,884	27,210	6,079	.....

^a Population estimated from U. S. Censuses of 1860 and 1870.

^b See foot-notes to Exhibit K, page 254.

^c Exceptions to the proposition that the Temperature was less than the average in years in which the death-rate was greater than the average, and vice versa.

EXHIBIT 14.—ALL CAUSES.—Deaths Returned as having occurred in Michigan from All Causes, by Months, during the Year 1876, and some coincident Meteorological conditions, at the Agricultural College, near Lansing, and near the center of the thickly-settled part of the State.

MONTHS IN ORDER BY NUMBER OF REPORTED DEATHS FROM ALL CAUSES, GREATEST NUMBER FIRST.	DEATHS REPORTED FROM ALL CAUSES, 1876.										TEMPERATURE.—FAHR.; MEAN OF 3 DAILY OBSERVATIONS,— 7 A. M., 2 P. M., AND 9 P. M.										HUMIDITY OF ATMOS- PHERE, ETC.—MONTHLY AVERAGES.				OZONE.—REL- ATIVE. MAXIMUM=10.		Barometer Reduced to 32° Fahrenheit.—Average.		RANGE OF BAROMETER.			
	NUMBER.				PER CENT OF TOTAL.						AVERAGE RANGE.		Rain and Melted Snow, in Inches.		Relative Humidity, or Per Cent of Sat- uration.		Force or Pressure of Vapor in Inches.		Weight in Grains, of Vapor in a Cubic Foot of Air. ^a		Days,—7 A. M. to 2 P. M.		Nights,—9 P. M. to 7 A. M.		Thermometer Reduced to 32° Fahrenheit.—Average.		Monthly, and Year.		Average Daily.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Daily.	From Day to Day, — 2 P. M. to 2 P. M.	Temperature.	30.55	81	.300	3.40	3.68	4.11	29.010	1.860	.138	3.40	3.68	4.11	29.010	1.860	.138	3.40	3.68	4.11	29.010	1.860	.138
YEAR, 1876..... ^b	12,545	6,741	5,749	55	100.00	100.00	100.00	100.00	13.60°	16.33°	46.17°	30.55	81	.300	3.40	3.68	4.11	29.010	1.860	.138	3.40	3.68	4.11	29.010	1.860	.138	3.40	3.68	4.11	29.010	1.860	.138
August.....	1,507	822	677	8	12.01	12.19	11.77	14.55	17.74	20.97	71.55	1.28	76	.576	6.31	1.97	1.26	29.048	.459	.061	6.31	1.97	1.26	29.048	.459	.061	6.31	1.97	1.26	29.048	.459	.061
Sept.....	1,423	757	664	2	11.34	11.23	11.55	3.64	15.20	18.00	56.30	3.63	83	.391	4.43	2.60	1.73	28.965	.500	.087	4.43	2.60	1.73	28.965	.500	.087	4.43	2.60	1.73	28.965	.500	.087
Oct.....	1,133	607	525	11	9.19	9.00	9.31	20.00	12.84	14.90	45.23	1.29	92	.088	1.09	4.57	4.81	29.203	1.090	.178	1.09	4.57	4.81	29.203	1.090	.178	1.09	4.57	4.81	29.203	1.090	.178
November.....	1,131	606	521	4	9.02	8.99	9.03	7.27	14.94	16.45	43.74	1.26	76	.220	2.56	3.45	3.48	8.929	.923	.149	2.56	3.45	3.48	8.929	.923	.149	2.56	3.45	3.48	8.929	.923	.149
Dec.....	1,079	598	480	1	8.61	8.87	8.35	1.82	15.87	17.90	72.43	2.10	78	.617	6.76	2.16	1.58	29.009	.507	.070	6.76	2.16	1.58	29.009	.507	.070	6.76	2.16	1.58	29.009	.507	.070
January.....	1,045	562	479	4	8.33	8.33	8.33	8.33	13.60	16.33	46.17	2.55	81	.300	3.40	3.68	4.11	29.010	1.011	.138	3.40	3.68	4.11	29.010	1.011	.138	3.40	3.68	4.11	29.010	1.011	.138
February.....	980	541	439	9	7.88	8.03	7.64	16.36	8.98	12.00	36.33	.91	85	.191	2.26	3.57	3.33	28.953	.940	.102	2.26	3.57	3.33	28.953	.940	.102	2.26	3.57	3.33	28.953	.940	.102
March.....	978	509	463	6	7.79	7.55	8.05	10.91	12.80	14.47	44.16	2.08	86	.195	2.26	3.70	5.53	29.000	1.508	.159	2.26	3.70	5.53	29.000	1.508	.159	2.26	3.70	5.53	29.000	1.508	.159
April.....	975	515	456	4	7.77	7.64	7.93	7.27	12.84	14.39	30.55	4.84	95	.150	1.78	6.06	7.00	28.929	1.812	.223	1.78	6.06	7.00	28.929	1.812	.223	1.78	6.06	7.00	28.929	1.812	.223
May.....	970	519	449	2	7.73	7.70	7.81	3.64	15.26	17.90	47.95	4.13	73	.349	3.93	3.10	4.13	29.009	1.214	.121	3.93	3.10	4.13	29.009	1.214	.121	3.93	3.10	4.13	29.009	1.214	.121
June.....	885	463	388	4	6.92	6.87	6.75	7.27	13.17	16.53	46.14	4.34	79	.539	5.95	1.87	2.97	28.911	.517	.075	5.95	1.87	2.97	28.911	.517	.075	5.95	1.87	2.97	28.911	.517	.075
July.....	800	412	385	3	6.38	6.11	6.70	5.45	12.76	16.66	27.38	3.04	84	.131	1.89	5.76	7.27	28.983	1.033	.176	1.89	5.76	7.27	28.983	1.033	.176	1.89	5.76	7.27	28.983	1.033	.176
August.....	685	392	292	1	5.46	5.82	5.08	1.82	10.81	15.77	30.22	1.63	84	.157	1.88	5.32	6.90	29.073	1.635	.255	1.63	5.32	6.90	29.073	1.635	.255	1.88	5.32	6.90	29.073	1.635	.255

^a See foot-notes to Exhibit K, page 294.
^b Excluding Deaths in unknown month.
^c Exceptions to the proposition that the Range of Temperature was greater than the average in months when more than the average number of deaths occurred, and vice versa. ^d Exceptions to the proposition that the temperature was greater than the average in months when more than the average number of deaths occurred, and vice versa. ^e Exceptions to the proposition that the Rainfall was less than the average in months when more than the average number of deaths occurred, and vice versa. ^f Exceptions to the proposition that the Ozone was less than the average in months when more than the average number of deaths occurred, and vice versa. ^g Exceptions to the proposition that the Atmospheric Pressure, as indicated by the Barometer, was greater than the average in months when more than the average number of deaths occurred, and vice versa.

EXHIBIT K.—CROUP.—Deaths Returned as having occurred in Michigan from Croup, by Months, during the Year 1876, and some coincident Meteorological conditions.

MONTHS IN ORDER BY NUMBER OF DEATHS FROM CROUP, GREATEST FIRST.	DEATHS FROM CROUP, 1876.		Temperature,—Fahr.; Mean of three Daily Observations, at 7 A. M., 2 P. M., and 9 P. M.			HUMIDITY OF ATMOSPHERE, ETC.,— MONTHLY AVERAGES.							OZONE,— RELATIVE. MAXIMUM= 10.		Barometer Reduced to 32° Fahr.,—Average.
	Number.	Per Cent of Total.	Average Range.		Temperature.	Rain-fall, in Inches.	Relative Humidity, or Per Cent of Saturation.	Force or Pressure of Vapor, in Inches.	Weight, in Grains, of Vapor in a Cubic Foot of Air. ^a	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours. ^b	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in excess of vapor inhaled. ^c	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
			Daily.	From Day to Day,—2 P. M. to 2 P. M.											
Year, 1876.....	4177	100.00	13.60	16.33	46.17	30.55	81	.300	3.40	2.12	9.56	3.68	4.11	29.010	
More than the Av. No. of Deaths.	Nov.....	28	15.92	8.98	12.00	36.33	.91	85	.191	2.26	1.41	10.27	3.57	3.33	28.953
	Oct.....	25	14.12	14.94	16.43	43.74	1.26	76	.220	2.36	1.60	10.08	3.45	3.48	28.929
	Dec.....	25	14.12	12.84	14.90	16.23	1.29	92	.088	1.09	.68	11.00	4.57	4.81	29.203
	Jan.....	21	11.86	10.81	15.77	30.22	1.63	84	.157	1.88	1.18	10.50	5.32	6.90	29.073
	Sept.....	21	11.86	15.20	18.00	56.30	3.65	83	.391	4.43	2.77	8.91	2.60	1.73	28.985
Average.....	15	8.33	13.60	16.33	46.17	2.55	81	.300	3.40	2.12	9.56	3.68	4.11	29.010	
Less than the Average No. of Deaths.	Feb.....	12	6.78	12.76	16.66	27.38	3.04	84	.131	1.57	.98	10.70	5.76	7.27	29.063
	March.....	12	6.78	12.84	14.39	30.55	4.84	95	.150	1.78	1.11	10.57	6.06	7.00	28.929
	August ..	12	6.78	17.74	20.97	71.55	1.28	76	.576	6.31	3.94	7.74	1.97	1.26	29.048
	April.....	9	5.08	12.80	14.47	44.16	2.08	66	.195	2.26	1.41	10.27	3.70	5.53	29.009
	May.....	7	3.95	15.26	17.90	57.95	4.13	73	.349	3.93	2.46	9.22	3.10	4.13	29.009
	June.....	3	1.69	13.17	16.53	68.14	4.34	79	.539	5.95	3.72	7.96	1.87	2.27	28.911
	July.....	2	1.13	15.87	17.90	72.48	2.10	78	.617	6.76	4.23	7.45	2.16	1.58	29.009

^a Approximate.—Calculated from Temperature and Force of Vapor combined. (Temperature of Wet Bulb Thermometer not stated.)

^b Calculated for 18 respirations per minute, of 20 cubic inches of air each.

^c Assuming the air exhaled to be saturated with vapor at the temperature of 98 F., each cubic foot containing 18.69 grains, 18 respirations per minute, of 20 cubic inches of air each, making 11.68 ounces Troy of vapor exhaled daily. No correction made for expansion of air after being inhaled.

^d Includes 21 deaths from Membranous Croup, and excludes 1 death in unknown month.

^e Exceptions to the proposition that more than the average number of deaths from Croup occurred in months in which the temperature was less than the average, and vice versa.

^f Exceptions to the proposition that more than the average number of deaths from Croup occurred in months in which there was less than the average quantity of vapor inhaled, and vice versa.

Croup.—During the year 1876, according to the returns, 178 deaths from croup occurred in this State. This is a larger number than has been returned for any previous year, the order of the years, those having the greatest number first, being: 1876, 178 deaths from croup; 1873, 170; 1875, 167; 1872, 162; 1871, 153; 1874, 142; 1870, 127. Croup prevailed most extensively during the fall and winter months, 67.78 per cent of the number of deaths from this disease in 1876 having occurred in the five months of January, September, October, November, and December. The amount of vapor inhaled seems to

sustain a relation to the prevalence of croup. As may be seen in Exhibit K, there are only four exceptions to the proposition that more than an average number of deaths from croup occurred in months in which there was less than the average quantity of vapor inhaled, and *vice versa*. In 1875, there were no exceptions to this proposition; in 1874 there was only one exception; and in 1873, only two exceptions. Exhibit K facilitates the study of croup in connection with the coincident meteorological conditions.

Croup and Diphtheria.—The number of deaths from these two diseases is shown, by months, in Exhibit L, which also shows the coincident meteorological conditions. The same propositions are made in this exhibit as in Exhibit K, and the exceptions are in the same months. The two diseases are thus grouped together as well as exhibited separately for their more thorough study, and because many think they are essentially one disease.

EXHIBIT L.—CROUP AND DIPHTHERIA.—Deaths Returned as having occurred in Michigan from Croup and Diphtheria, by Months, during the Year 1876, and some coincident Meteorological Conditions.

MONTHS IN ORDER BY NUMBER OF DEATHS FROM CROUP AND DIPHTHERIA, GREATEST FIRST.	DEATHS FROM CROUP AND DIPHTHERIA, 1876.		Temperature, — Fahr. ; Mean of Three Daily Observations at 7 A. M., 2 P. M. and 9 P. M.			HUMIDITY OF ATMOSPHERE, ETC.,—MONTHLY AVERAGES.					OZONE, — RELATIVE. MAXIMUM = 10.		Barometer Reduced to 32° Fahrenheit, —Average.	
	Number.	Per Cent of Total.	AVERAGE RANGE.		Temperature.	Relative Humidity, or Per Cent of Saturation.	Force or Pressure of Vapor, in Inches.	Weight, in Grains, of Vapor in a Cubic Foot of Air. ^a	Weight, in Troy Ounces, of Vapor Inhaled by one per- son in 24 hours. ^a	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in ex- cess of vapor inhaled. ^a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
			Daily.	From Day to Day,— 2 P. M. to 2 P. M.										
Year, 1876.....	b 466	100.00	13.60°	16.33°	46.17°	81	.300	3.40	2.12	9.56	3.68	4.11	29.010	
More than the Av- erage No. of Deaths.	Oct.	70	15.02	14.94°	16.45°	43.74°	76	.220	2.56	1.60	10.08	3.45	3.48	28.929
	Nov.	70	15.02	8.98	12.00	36.33	85	.191	2.26	1.41	10.27	3.57	3.33	28.953
	Dec.	61	13.09	12.84	14.90	15.23	92	.088	1.09	.68	11.00	4.57	4.81	29.203
	Sept.	59	12.66	15.20	18.00	c 56.30	83	.391	4.43	d 2.77	8.91	2.60	1.73	28.995
	Jan.	42	9.01	10.81	15.77	30.22	84	.157	1.88	1.18	10.50	5.32	6.90	29.073
Average	39	8.37	13.60	16.33	46.17	81	.300	3.40	2.12	9.56	3.68	4.11	29.010	
Less than the Average No. of Deaths.	Aug.	36	7.73	17.74	20.97	71.55	76	.576	6.31	3.94	7.74	1.97	1.26	29.048
	March ..	31	6.65	12.84	14.39	c 30.55	95	.150	1.78	d 1.11	10.57	6.06	7.00	28.929
	Feb.	28	6.01	12.76	16.66	c 27.38	84	.131	1.57	d .98	10.70	5.76	7.27	29.063
	April ..	20	4.29	12.80	14.47	c 44.16	66	.195	2.26	d 1.41	10.27	3.70	5.53	29.000
	May	20	4.29	15.26	17.90	57.95	73	.349	3.93	2.46	9.22	3.10	4.13	29.009
	June ..	15	3.22	13.17	16.53	68.14	79	.539	5.95	3.72	7.96	1.87	2.27	28.911
	July	14	3.00	15.87	17.90	72.48	78	.617	6.76	4.23	7.45	2.16	1.58	29.009

^a See foot-notes to Exhibit K, page 264. ^b Excluding 2 deaths in unknown month. ^c Exceptions to the proposition that more than an average number of deaths from Croup and Diphtheria occurred in months in which the mean temperature was less than the average, and *vice versa*.

^d Exceptions to the proposition that more than an average number of deaths from Croup and Diphtheria occurred in months in which there was less than the average quantity of vapor inhaled, and *vice versa*.

EXHIBIT M.—DIPHTHERIA.—Deaths in Michigan from Diphtheria, by Months, Returned as having occurred during the Year 1876, and some coincident Meteorological conditions.

MONTHS IN ORDER BY NUMBER OF DEATHS FROM DIPHTHERIA, GREATEST FIRST.		DEATHS FROM DIPHTHERIA, 1876.		Temperature, — Fahr.; Mean of three Daily Observations,—7 A. M., 2 P. M., and 9 P. M.			HUMIDITY OF ATMOSPHERE, ETC., —MONTHLY AVERAGES.					OZONE, RELATIVE. MAXIMUM = 10.		Barometer Reduced to 32° Fahrenheit. Average.
		Number.	Per Cent of Total.	AVERAGE RANGE.		Relative Humidity, or Per Cent of Saturation.	Force or Pressure of Vapor, In Inches.	Weight, in Grains, of Vapor in a Cubic Foot of Air. ^a	Weight, in Troy Ounces, of Vapor Inhaled by one per- son in 24 hours. ^a	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in excess of Vapor inhaled. ^a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
				Daily.	From Day to Day,— 2 P. M. to 2 P. M.								Temperature.	
Year, 1876.....	310	100.00	13.60°	10.33°	46.17°	81	.300	3.40	2.12	9.56	3.68	4.11	29.019	
More than Av. No. of Deaths.	October.....	51	16.45	14.94	16.45	43.74	76	.220	2.56	1.00	10.08	3.45	3.45	28.929
	November...	46	14.84	8.98	12.00	36.33	85	.191	2.26	1.41	10.27	3.57	3.33	28.953
	September..	39	12.58	15.20	18.00	c 56.30	83	.391	4.43	d 2.77	8.91	2.60	1.73	28.995
	December..	38	12.25	12.84	14.90	15.23	92	.088	1.09	.68	11.00	4.57	4.81	29.203
Average.....		26	8.33	13.00	16.33	46.17	81	.300	3.40	2.12	9.56	3.68	4.11	29.019
Less than the Average Number of Deaths.	January.....	24	7.74	10.81	15.77	c 30.22	84	.157	1.88	d 1.18	10.50	5.32	6.90	29.073
	August.....	24	7.74	17.74	20.97	71.55	76	.576	6.31	3.94	7.74	1.97	1.26	29.048
	March.....	21	6.77	12.84	14.39	c 30.55	95	.150	1.78	d 1.11	10.57	6.06	7.00	28.929
	February...	16	5.16	12.76	16.66	c 27.38	84	.131	1.57	d .98	10.70	5.76	7.27	29.063
	May.....	14	4.52	15.26	17.90	57.95	73	.349	3.93	2.46	9.22	3.10	4.13	29.009
	June.....	13	4.19	13.17	16.53	68.14	79	.539	5.95	3.72	7.96	1.87	2.27	28.911
	April.....	12	3.87	12.50	14.47	c 44.16	66	.195	2.26	d 1.41	10.27	3.70	5.53	29.000
July.....	12	3.87	15.87	17.90	72.48	78	.617	6.76	4.23	7.45	2.16	1.58	29.009	

^a See foot-notes to Exhibit K, page 264.

^b Excluding 1 in unknown month.

^c Exceptions to the proposition that more than an average number of deaths from Diphtheria occurred in months in which the mean temperature was less than the average, and vice versa.

^d Exceptions to the proposition that more than an average number of deaths from Diphtheria occurred in months in which there was less than the average quantity of vapor inhaled, and vice versa.

Diphtheria.—In 1876 there were 311 deaths from diphtheria in this State, according to the returns,—the largest number returned for any year. This number is 2.47 per cent of the number of deaths from all causes,—the largest per cent shown for any year, the order of the years 1869–1876, those first in order which have the greatest per cent of deaths from diphtheria, being: 1869, 0.97 per cent; 1870, 1.12; 1871, 1.24; 1872, 1.44; 1873, 1.52; 1874, 1.70; 1875, 1.73; 1876, 2.47. It will therefore be seen that the proportional mortality from diphtheria has constantly increased since 1869. As was the case with croup, diphtheria prevailed most extensively during the fall and winter months, 63.87 per cent having died during the five months of January, September, October, November, and December, against 67.78 per cent from croup in the same months. The mortality among young children is much less from diphtheria than from croup, only 45.02 per cent of the decedents from diphtheria in 1876 being under 5 years of age, against 84.83 per cent from croup.

The same propositions are made for diphtheria that are made for croup and for croup and diphtheria (Exhibits K and L), and to each proposition there are five exceptions in the exhibit of diphtheria, against four exceptions for each of the other two exhibits. This suggests that in 1876, croup sustained a closer relation to temperature of the air and to amount of vapor inhaled than did diphtheria. It is now becoming well known that diphtheria is a very contagious disease, and that in Michigan there are more deaths and sickness from it in cold than in warm weather.

EXHIBIT V.—CEREBRO-SPINAL MENINGITIS, ETC.—*The Total Number of Deaths from Cerebro-spinal Meningitis, Spotted Fever, Spinal Meningitis, Meningitis, and Spinal Fever, Returned as having occurred in Michigan, during the Year 1876, by Months, and by Sex.*

CAUSES OF DEATH.	SEX.	YEAR, 1876.	MONTHS, 1876,											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Total.....	Total..	122	6	10	8	9	16	6	14	18	13	10	6	6
	Males..	54	5	4	4	3	7	2	7	8	6	5	2	1
	Fema's	68	1	6	4	6	9	4	7	10	7	5	4	5
Cerebro-spinal Meningitis	Total..	14	—	1	2	4	4	—	1	2	—	—	—	—
	Males..	4	—	—	—	1	2	—	—	1	—	—	—	—
	Fema's	10	—	1	2	3	2	—	1	1	—	—	—	—
Spotted Fever.....	Total..	1	1	—	—	—	—	—	—	—	—	—	—	—
	Males..	1	1	—	—	—	—	—	—	—	—	—	—	—
	Fema's	—	—	—	—	—	—	—	—	—	—	—	—	—
Spinal Meningitis	Total..	30	—	4	—	1	4	1	6	4	2	3	2	3
	Males..	10	—	—	—	1	—	1	1	3	1	1	1	1
	Fema's	20	—	4	—	—	4	—	5	1	1	2	1	2
Meningitis..	Total..	4	1	1	—	—	1	—	1	—	—	—	—	—
	Males..	4	1	1	—	—	1	—	1	—	—	—	—	—
	Fema's	—	—	—	—	—	—	—	—	—	—	—	—	—
Spinal Fever.....	Total..	73	4	4	6	4	7	5	6	12	11	7	4	3
	Males..	35	3	3	4	1	4	1	5	4	5	4	1	—
	Fema's	38	1	1	2	3	3	4	1	8	6	3	3	3

Cerebro-spinal Meningitis.—The returns of deaths show that 14 deaths from this disease occurred in Michigan in 1876. This is the smallest number returned for any year since 1871. In 1874, 8 of the 14 decedents from this disease died in the two months of April and May. Exhibits V. and 15 combine the numbers of deaths from several specified causes, as is done in previous Reports, the latter showing also the coincident meteorological conditions. The appearance of a relation between this group of causes and certain meteorological conditions in 1876 is very striking. To each of the propositions concerning the daily range of temperature, the average temperature, the force of vapor, and the absolute humidity, there is only one exception. This study of the relations of atmospheric conditions to this disease is greatly facilitated by Exhibit 15, page 268.

EXHIBIT 15.—CEREBRO-SPINAL MENINGITIS, ETC.—*Deaths Returned as having occurred in Michigan from Cerebro-spinal Meningitis, Spotted Fever, Spinal Meningitis, Meningitis, and Spinal Fever, by Months, during the Year 1876, and some coincident Meteorological Conditions.*

MONTHS IN ORDER BY NUM- BER OF DEATHS FROM CER- EBRO-SPINAL MENINGITIS, SPOTTED FEVER, SPINAL MENINGITIS, MENINGITIS, AND SPINAL FEVER, GREAT- EST NUMBER FIRST.	Deaths from Cere- bro-spinal Meningitis, etc., 1876.		TEMPERATURE.—FAHR.; MEAN OF 3 DAILY OB- SERVATIONS,—AT 7 A. M., 2 P. M., AND 9 P. M.			HUMIDITY OF AT- MOSPHERE, ETC.,— MONTHLY AV- ERAGES.			OZONE.— RELATIVE MAXIMUM = 10.		Barometer Reduced to 32° Fahr.,— Average.	Rain and Melted Snow, in Inches.	RANGE OF BAROM- ETER.	
	Number.	Per Cent of Total.	Average Range.		Relative Humidity, or Per Ct. of Saturation, Force or Pressure of Vapor, in Inches.	Weight, in grains, of Vapor in a Cubic Foot of Air. ^a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	Monthly, and Year.	Average Daily.				
			Daily.	From Day to Day 2 P. M. to 2 P. M.									Temperature.	
Year, 1876...	122	100.00	13.60°	16.33°	46.17°	81	.300	3.40	3.68	4.11	29,010	30.55	1.860	.128
More than the Av. No. of Deaths.	Aug..	18	14.75	17.74°	20.97°	76	.576	6.31	1.97	1.26	29,048	1.28	.459	.061
	May..	16	13.11	15.26	17.90	73	.349	3.93	3.10	4.13	29,009	4.13	1.214	.121
	July..	14	11.47	15.87	17.90	78	.617	6.76	2.16	1.58	29,009	2.10	.507	.070
	Sept..	13	10.65	15.20	18.00	83	.391	4.43	2.60	1.73	28,995	3.65	.500	.067
Average.....	10.2	8.33	13.60	16.33	46.17	81	.300	3.40	3.68	4.11	29,010	2.55	1.010	.128
Less than the Average Number of Deaths.	Feb..	10	8.20	12.76	10.66	84	.131	1.57	5.76	7.27	29,063	3.04	1.033	.178
	Oct..	10	8.20	14.94	16.45	76	.220	2.56	3.45	3.48	28,929	1.26	.922	.169
	April	9	7.38	12.80	14.47	66	.195	2.26	3.70	5.53	29,000	2.08	1.508	.159
	Mar..	8	6.56	12.84	14.39	95	.150	1.78	6.06	7.00	28,929	4.84	1.812	.223
	Jan..	6	4.92	10.81	15.77	84	.157	1.88	5.32	6.90	29,073	1.63	1.026	.226
	June	6	4.92	13.17	16.53	63.14	79	5.59	5.95	2.27	28,911	4.34	.511	.075
	Nov..	6	4.92	8.93	12.00	85	.191	2.26	3.57	3.33	28,953	.91	.940	.102
	Dec..	6	4.92	12.84	14.90	92	.068	1.09	4.57	4.81	29,203	1.29	1.080	.178

^a See foot-notes to Exhibit K, page 264.

^b Exception to the proposition that the Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

^c Exceptions to the proposition that the Range of Temperature "from day to day" was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

^d There is no exception to the proposition that the temperature was *higher* than the average in months when *more* than the average number of deaths occurred; and only one exception to the proposition that the temperature was *lower* than the average in months when *less* than the average deaths occurred.

^e Exceptions to the proposition that the Relative Humidity was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

^f Exceptions to the proposition that the Force of Vapor was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

^g Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

^h Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

ⁱ Exceptions to the proposition that the Atmospheric Pressure, as indicated by the Barometer, was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

Congestive Chills and Intermittent Fever.—During the year 1876, according to the returns, 55 deaths occurred from congestive chills in this State,—the smallest number returned for any of the years 1869–1876. In 1876, the largest number occurred in October, the smallest in June. According to Exhibit U, the average daily range of barometer sustained a closer relation than any other atmospheric condition specified in the exhibit to the mortality from congestive chills.

EXHIBIT U.—CONGESTIVE CHILLS.—Deaths Returned as having occurred in Michigan from Congestive Chills, by Months, during the Year 1876, and some coincident Meteorological conditions.

MONTHS IN ORDER BY NUMBER OF DEATHS FROM CONGESTIVE CHILLS, GREATEST FIRST.	DEATHS FROM CONGES- TIVE CHILLS, 1876.		Temperature,—Fahr.; Mean of three Daily Observations,—at 7 A. M., 2 P. M., and 9 P. M.			Humidity of At- mosphere, Etc.,— Monthly Av'ges.			Ozone, Rel- ative. Maximum = 10.		Barometer Reduced to 32° Fahrenheit, — Averages.	Rain and Melted Snow, in Inches.	Range of Barometer.	
	Number.	Per Cent of Total.	Average Range.		Temperature.	Relative Humidity, or Per Cent of Saturation.	Force or Pressure of Vapor, in Inches.	Weight, in Grains, of Vapor in a Cubic Foot of Air. ^a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.			Monthly, and Year.	Average Daily.
			Daily.	From Day to Day,—2 P. M. to 2 P. M.										
Year, 1876.....	53	100.00	13.60	16.33	46.17	81	.300	3.40	3.68	4.11	29.010	3.035	1.860	.138
More than the Av. No. of Deaths.	Oct.....	9	16.36	14.94	16.45	76	.220	* 2.56	3.45	3.48	28.929	1.26	h. 923	.149
	April.....	7	12.73	b 12.80	c 14.47	68	.195	* 2.26	f 3.70	f 5.53	29.000	2.08	h. 1508	.159
	Aug.....	7	12.73	17.74	20.97	76	.576	6.31	1.97	1.26	29.048	1.28	h. 459	1.061
	Sept.....	7	12.73	15.20	18.00	83	.391	4.43	2.60	1.73	28.995	3.65	h. 500	1.087
	March....	5	9.09	b 12.84	c 14.39	95	.150	* 1.78	f 6.06	f 7.00	28.929	4.84	h. 1812	.223
	Dec.....	5	9.09	b 12.84	c 14.90	92	.088	* 1.09	f 4.57	f 4.81	29.203	1.29	h. 1090	.178
Average	46	8.33	13.50	16.33	46.17	81	.300	3.40	3.68	4.11	29.010	2.55	1.011	.138
Less than the Av. No. of Deaths.	May.....	4	7.27	b 15.26	c 17.90	73	.349	* 3.93	f 3.10	4.13	29.009	4.13	h. 1214	.121
	July.....	4	7.27	b 15.87	c 17.90	78	.617	* 6.76	f 2.16	f 1.58	29.009	2.10	.507	.070
	Nov.....	3	5.45	8.98	12.00	85	.191	2.26	f 3.57	f 3.33	28.953	.91	.940	.102
	Jan.....	2	3.64	10.81	15.77	84	.157	1.88	5.32	6.90	29.073	1.63	h. 1626	1.255
	Feb.....	1	1.82	12.76	* 16.66	84	.131	1.57	5.76	7.27	29.063	3.04	h. 1033	1.176
	June	1	1.82	13.17	c 16.53	79	.539	* 5.95	f 1.87	f 2.27	28.911	4.34	.517	.075

* See foot-notes to Exhibit K, page 264.

^b Exceptions to the proposition that the Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

^c Exceptions to the proposition that the Range of Temperature "from day to day" was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

^d Exceptions to the proposition that the temperature was *higher* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

^e Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

^f Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

^g Exceptions to the proposition that the Atmospheric Pressure indicated by the Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

^h Exceptions to the proposition that the Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

ⁱ Exceptions to the proposition that the Average Daily Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

Exhibit W contains data concerning deaths from intermittent fever and the coincident meteorological conditions. As is the case with congestive chills, the number of deaths from intermittent fever in 1876 was the smallest returned for any of the years 1869-1876.

EXHIBIT W.—INTERMITTENT FEVER.—Deaths Returned as having occurred in Michigan from Intermittent Fever, by Months, during the Year 1876, and some coincident Meteorological conditions.

MONTHS IN ORDER BY NUMBER OF DEATHS FROM INTERMIT- TENT FEVER, GREATEST FIRST.	Deaths from Inter- mittent Fever, 1876.		Temperature, — Fahr. ; Mean of three Daily Observations, — at 7 A. M., 2 P. M., and 9 P. M.			Humidity of At- mosphere, etc., — Monthly Aver- ages.			Ozone, — Relative, Maximum = 10.		Barometer Reduced to 32° Fahrenheit, — Average.	Rain and Melted Snow, in Inches.	Range of Barometer.		
	Number.	Per Cent of Total.	Average Range.			Relative Humidity, or Per Cent of Saturation.	Force or Pressure of Vapor, in Inches.	Weight, in Grains, of Vapor in a Cubic Foot of Air, a	Day, — 7 A. M. to 2 P. M.	Night, — 9 P. M. to 7 A. M.			Monthly, and Year.	Average Daily.	
			Daily.	From Day to Day, — 2 P. M. to 2 P. M.	Temperature.										
Year, 1876...	36	100.00	13.60	16.33	46.17	81	.300	3.40	3.68	4.11	29.010	30.55	1.860	.138	
More than Av. No. of Deaths.	Sept. ...	10	27.78	15.20	18.00	56.30	83	.391	4.43	2.60	1.73	28.995	3.65	.500	.087
	Oct.	7	19.44	14.94	16.45	43.74	76	.220	2.56	3.45	3.48	28.929	1.26	.923	.149
	April ...	4	11.11	12.80	14.47	44.16	66	.195	2.26	3.70	5.53	29.000	2.08	1.508	.129
	June ...	4	11.11	13.17	16.53	68.14	79	.539	5.95	1.87	2.27	28.911	4.34	.511	.075
	Jan.	3	8.33	10.81	15.77	43.02	84	.157	1.88	5.32	6.90	29.073	1.63	1.626	.255
Average	3	8.33	13.60	16.33	46.17	81	.300	3.40	3.68	4.11	29.010	2.55	1.010	.138	
Less than the Average No. of Deaths.	Feb.	2	5.56	12.76	16.66	27.33	84	.131	1.57	5.76	7.27	29.063	3.04	1.033	.176
	Dec.	2	5.56	12.84	14.90	15.23	92	.088	1.09	4.57	4.81	29.203	1.29	1.090	.173
	March ...	1	2.78	12.84	14.39	30.55	95	.150	1.78	6.06	7.00	28.929	4.84	1.812	.225
	May	1	2.77	15.26	17.90	47.95	73	.349	3.93	3.10	4.13	29.009	4.13	1.214	.121
	July	1	2.78	15.87	17.90	47.48	78	.617	6.76	2.16	1.58	29.009	2.10	.507	.070
	Nov.	1	2.78	8.98	12.00	36.33	85	.191	2.26	3.57	3.33	28.953	.91	.940	.102
	August ...			17.74	20.27	47.55	76	.576	6.31	1.97	1.26	29.048	1.28	.459	.061

^a See foot-notes to Exhibit K, page 264.

^b Exceptions to the proposition that the Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

^c Exceptions to the proposition that the Range of Temperature "from day to day" was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

^d Exceptions to the proposition that the Temperature was *higher* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

^e Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

^f Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

^g Exceptions to the proposition that the Atmospheric Pressure indicated by the Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

^h Exceptions to the proposition that the Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

ⁱ Exceptions to the proposition that the Average Daily Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

Typhoid Fever.—426 deaths from typhoid fever were returned as having occurred in Michigan in 1876,—the smallest number returned for any of the years 1869–1876, except 1871. The number of deaths from this disease in each of the years 1869–1876, those years in which the largest number of deaths occurred being first in order, are as follows: 1873, 678 deaths; 1872, 621; 1874, 611; 1870, 574; 1869, 437; 1875, 433; 1876, 426; 1871, 357. In 1876 the number of deaths from typhoid fever was 3.39 per cent of the deaths from all

causes. In the four months of August, September, October, and November, 59.06 per cent of the deaths from this disease in 1876 occurred, and more than one-quarter of the decedents were between the ages of 15 and 25 years.

Exhibit X. combines the data concerning the deaths from typhoid fever and the coincident meteorological conditions. To the proposition that the ozone was less than the average in months when more than the average number of deaths occurred and that the ozone was more than the average in months when less than the average number of deaths occurred, there were only three exceptions for the day ozone, and only two for the night ozone.

EXHIBIT X.—TYPHOID FEVER.—Deaths Returned as having occurred in Michigan from Typhoid Fever, by Months, during the year 1876, and some coincident Meteorological conditions.

MONTHS IN ORDER BY NUMBER OF DEATHS FROM TYPHOID FEVER, GREATEST FIRST.	DEATHS FROM TYPHOID FEVER, 1876.		Temperature,—Fahr.; Mean of three Daily Observations,—at 7 A. M., 2 P. M., and 9 P. M.			Humidity of At- mosphere, Etc.— Monthly Aver- ages.			Ozone,—Rela- tive. Maxi- mum=10.		Barometer Reduced to 32° Fahrenheit, Average.	Rain and Melted Snow, in Inches.	Range of Barometer.		
	Number.	Per Cent of Total.	Average Range.		Temperature.	Relative Humidity, or Per Cent of Saturation.	Force or Pressure of Vapor, in Inches.	Weight, in Grains, of Vapor, in a Cubic Foot of Air. ^a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.			Monthly, and Year.	Average Daily.	
			Daily.	From Day to Day— 2 P. M. to 2 P. M.											
Year, 1876...	6425	100.00	13.60°	16.33°	46.17°	81	.300	3.40	3.68	4.11	29.010	30.55	1.860	.138	
More than Av. No. of Deaths	Sept. ...	82	19.29	15.20	18.00	56.30	83	.391	4.43	2.60	1.73	h 28.995	3.65	1.500	.087
	Oct.	66	15.53	14.94	16.45	e 43.74	76	.220	f 2.66	3.45	3.48	h 28.929	1.26	1.923	.149
	August ...	54	12.71	17.74	20.97	71.55	76	.576	6.31	1.97	1.26	29.048	1.28	1.459	.061
	Nov. ...	49	11.53	c 8.98	d 12.00	e 36.33	85	.191	f 2.26	3.57	3.33	h 28.953	.91	1.940	.102
Average.....	35	8.02	13.60	16.33	46.17	81	.300	3.40	3.68	4.11	29.010	2.55	1.010	.138	
Less than the Average No. of Deaths	Dec.	34	8.00	12.84	14.90	15.23	92	.088	1.09	4.57	4.81	h 29.203	1.29	1.090	.178
	July. ...	29	6.82	c 15.87	d 17.90	e 72.48	78	.617	f 6.76	g 2.16	g 1.58	29.009	2.10	.507	.070
	April. ...	20	4.71	12.80	14.47	44.16	66	.195	2.26	3.70	5.53	29.000	2.08	1.508	.150
	March. ...	19	4.47	12.84	14.39	30.55	95	.150	1.78	6.06	7.00	28.929	4.84	1.812	.223
	June. ...	19	4.47	13.17	d 16.53	e 68.14	79	.539	f 5.93	g 1.87	g 2.27	28.911	4.34	.511	.075
	Jan.	18	4.23	10.81	15.77	30.22	84	.157	1.88	5.32	6.90	h 29.073	1.63	1.626	.255
	Feb. ...	18	4.24	12.76	d 16.66	27.38	84	.131	1.57	5.76	7.27	h 29.063	3.04	1.033	.176
May. ...	17	4.00	c 15.26	d 17.90	e 57.95	73	.349	f 3.93	g 3.10	4.13	29.009	4.13	1.214	.121	

^a See foot-notes to Exhibit K, page 264.

^b Excluding 1 in unknown month.

^c Exceptions to the proposition that the Range of Temperature was greater than the average in months when more than the average number of deaths occurred, and vice versa.

^d Exceptions to the proposition that the Temperature was higher than the average in months when more than the average number of deaths occurred, and vice versa.

^e Exceptions to the proposition that the Absolute Humidity was greater than the average in months when more than the average number of deaths occurred, and vice versa.

^f Exceptions to the proposition that the Ozone was less than the average in months when more than the average number of deaths occurred, and vice versa.

^g Exceptions to the proposition that the Atmospheric Pressure was greater than the average in months when more than the average number of deaths occurred, and vice versa.

^h Exceptions to the proposition that the Range of Barometer was greater than the average in months when more than the average number of deaths occurred, and vice versa.

ⁱ Exceptions to the proposition that the Average Daily Range of Barometer was greater than the average in months when more than the average number of deaths occurred, and vice versa.

EXHIBIT 16.—DIARRHEA.—Deaths Returned as having occurred in Michigan, from Diarrhea in July and August of each of the Years 1869-1876, the Average for the Eight Years ending with 1876, and some coincident Meteorological conditions, at the Agricultural College, near the center of the thickly-settled part of the State.

JULY AND AUGUST OF EACH OF THE YEARS 1869-1876.		Number of Deaths from Diarrhea.	Temperature,—F.; Mean of 3 Daily Ob- servations,—7 A. M., 2 P. M., and 9 P. M.				Rain and Melted Snow, in Inches.	Humidity of At- mosphere, Etc.,— Monthly Aver- ages.			Ozone,—Rel- ative. Maximum =10.		Barometer Reduced to 32° Fahrenheit, Average. ^b	Range of Barometer.	
			Average Range.		Temperature.	Relative Humidity, or Per Cent of Saturation.		Force or Pressure of Vapor, in Inches.	Weight, in Grains, of Vapor in a Cubic Foot of Air. ^a	Day,—7 A. M. to 2 P. M.	Night,—0 P. M. to 7 A. M.	Monthly.		Average, Daily.	
			Daily.	From Day to Day, — 2 P. M. to 2 P. M.											
Average	July..... August..	63 103	16.59 17.56	19.51 19.85	71.91 69.88	4.057 2.476	77 78	.597 .571	6.56 6.28	2.39 2.56	2.33 1.94	28.921 28.957	.612 .589	.302 .184	
1869	July..... August..	37 94	15.20 18.00	..... .....	70.35 70.53	^f 5.768 ^f 4.853	^g 79 75	.590 .598	6.49 6.56	..... .....	..... .....	..... .....	28.844 28.968	.624 .575	..........
1870	July..... August..	88 123	17.32 18.22	19.32 19.06	74.40 70.11	8.024 4.530	79 81	.659 .594	7.19 6.54	..... .....	..... .....	..... .....	28.836 28.890	.490 .641	..........
1871	July..... August..	44 71	18.61 18.55	21.48 21.74	70.60 71.19	3.100 1.420	77 ^g 78	.579 .586	6.35 6.43	..... .....	..... .....	..... .....	28.891 28.907	1.371 .782	..........
1872	July..... August..	80 145	16.45 15.32	^a 19.55 17.61	74.91 71.22	^f 3.360 4.180	77 83	.671 .650	7.33 7.15	.88 .98	2.28 .90	..... .....	28.924 28.967	.404 .372	.081 .060
1873	July..... August..	65 105	15.35 18.55	^a 18.68 21.32	70.82 69.49	5.124 ^f 7.796	78 81	.588 .570	6.45 6.29	3.59 3.55	3.06 2.05	..... .....	28.914 28.927	.453 .574	.083 .084
1874	July..... August..	61 104	17.68 17.23	21.35 19.61	72.02 69.39	2.560 1.278	71 ^g 74	.539 .527	6.00 5.75	1.80 2.80	1.50 1.10	..... .....	28.907 28.924	.465 .503	.078 .065
1875	July..... August..	56 80	16.26 16.90	^a 18.26 18.61	69.67 65.48	2.420 1.470	^g 78 77	.535 .470	5.91 5.22	3.52 3.50	3.22 3.70	..... .....	29.044 29.025	.584 .806	.696 .693
1876	July..... August..	69 98	15.87 17.74	17.90 20.97	72.48 71.55	^f 2.100 1.280	78 76	.617 .576	6.76 6.31	2.16 1.97	1.53 1.26	..... .....	29.009 29.048	.507 .459	.070 .061
Av. for 7 Yrs. (to compare with Range from Day to Day.)	July..... August..	65 104	..........	..........	..........	..........	..........	..........	..........	..........	..........	..........	..........	..........	..........
Av. for Yrs. 1872 -1876 (to com- pare with Ozone)	July..... August..	66 106	..........	..........	..........	..........	..........	..........	..........	..........	..........	..........	..........	..........	..........

^a See foot-notes to Exhibit K, page 264.

^b Not corrected for instrumental error. (See Exhibit 12 and remarks thereon, page 259.)

^c Exceptions to the proposition that the Average Daily Range of Temperature was less than the average for July or August in months of July or August when more than the average number of deaths from Diarrhea occurred, and *vice versa*.

^d Exceptions to the proposition that the Average Range of Temperature "from day to day" was less than the average for July or August in months of July or August when more than the average number of deaths from Diarrhea occurred, and *vice versa*.

^e Exceptions to the proposition that the Average Temperature was higher than the average for July or August in months of July or August when more than the average number of deaths from Diarrhea occurred, and *vice versa*.

^f Exceptions to the proposition that the amount of rain and melted snow was greater than the average for July or August in months of July or August when more than the average number of deaths from Diarrhea occurred, and *vice versa*.

^g Exceptions to the proposition that the Average Relative Humidity was greater than the average for July or August in months of July or August when more than the average number of deaths from Diarrhea occurred, and *vice versa*.

^h Exceptions to the proposition that the Absolute Humidity was greater than the average for July or August in months of July or August when more than the average number of deaths from Diarrhea occurred, and *vice versa*.

ⁱ Exceptions to the proposition that the average Day or Night Ozone was less than the average for

Diarrhea.—Three hundred and four (304) deaths from diarrhea were returned as having occurred in this State in 1876, which is 2.42 per cent of the deaths from all causes. Nearly three-quarters (74.68 per cent) of these occurred in the three months of July, August and September; and 85.86 per cent of all the decedents from this disease were under five years of age.

Exhibit 16, page 272, permits of a study of the relations of atmospheric conditions to this disease during a series of years, though not all the months in those years are included because it has been found that the deaths occur mainly in the hottest months.

Exhibit 21, page 274, supplies data for a thorough study of the relations which this disease bears to atmospheric conditions during the single year 1876.

Table XXI. shows the number and per cent of deaths from diarrhea and from dysentery in 1876, by geographical divisions, in a few of which the deaths were sufficiently numerous to permit of useful study.

July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

† Exceptions to the proposition that the Atmospheric Pressure was *more* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

EXHIBIT 21.—DIARRHEA.—Deaths Returned as having occurred in Michigan from Diarrhea, by Months, during the Year 1876, and some coincident Meteorological conditions at the Agricultural College, near Lansing, and near the center of the thickly-settled part of the State.

MONTHS IN ORDER BY NUMBER OF DEATHS FROM DIARRHEA, GREATEST FIRST.	Deaths from Diarrhea, 1876.		Temperature,—De- grees Fahr.			Inches of Rain and Melted Snow.	Humid'y of Atmosp'ere. Av. of Obs. at 7 A. M., 2 P. M., and 9 P. M., daily.		Ozone, Rela- tive.—Scale of 10 degrees of Coloration.		Pressure of Atmos- phere. Inches of Mer- cury. (Reduced to 32° F.)			
	Number.	Per Cent of Total.	Range, Av. Daily, and for Year.		Relative Humidity, or Per Cent of Saturation.		Absolute Humidity.—Grains of Va- por in a Cubic foot of Air. ^a	Day Observations,—7 A. M. to 2 P. M.	Night Observations,—9 P. M. to 7 A. M.	Monthly, and for Year.	Average Daily Range of Observations at 7 A. M., 2 P. M., and 9 P. M.	Average Pressure.		
			Of Observations at 7 A. M., 2 P. M., and 9 P. M., Daily.	During Day and Follow'g Night, by Begleit'g Ther- mometer, Obs. at 7 A. M.									Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.	
Year, 1876.....	303	100.00	13.60	21.06	46.17	30.55	81	3.40	3.68	4.11	1.860	.138	29.010	
More than the Av. No. of Deaths.	August.....	98	32.34	17.74	29.71	71.53	1.28	76	6.31	1.97	1.26	b .459	1.061	29.048
	July.....	69	22.77	15.87	25.29	72.48	2.10	78	6.76	2.16	1.58	b .507	1.070	29.009
	September..	60	19.80	15.20	23.50	56.30	3.65	d 83	4.43	2.60	1.73	b .500	1.087	28.995
Average.....	25	8.25	13.60	21.06	46.17	2.55	81	3.40	3.68	4.11	1.011	.138	29.010	
Less than the Average Num- ber of Deaths.	October.....	20	6.60	b 14.94	19.91	43.74	1.26	d 76	2.56	f 3.45	f 3.48	.923	1.149	28.929
	June.....	12	3.96	13.17	b 22.53	c 68.14	4.34	d 79	e 5.95	f 1.87	f 2.27	.517	.075	28.911
	May.....	9	2.97	b 15.26	b 25.52	c 57.95	4.13	d 73	e 3.93	f 3.10	4.13	b 1.214	.121	29.006
	December...	9	2.97	12.84	19.26	15.23	1.29	92	1.09	4.57	4.81	b 1.090	1.178	29.203
	January.....	6	1.98	10.81	17.91	30.22	1.63	84	1.88	5.32	6.90	b 1.626	1.255	29.073
	February...	6	1.98	12.76	17.31	27.38	3.04	84	1.59	5.76	7.27	b 1.033	1.176	29.063
	November...	6	1.98	8.98	13.93	36.33	.91	85	2.26	f 3.57	f 3.33	.940	.102	28.953
	March.....	4	1.32	12.84	18.38	30.55	4.84	95	1.78	6.06	7.00	b 1.812	1.223	28.929
April.....	4	1.32	12.80	b 21.40	44.16	2.08	d 66	2.26	3.70	5.53	b 1.508	1.159	29.000	

^a See foot-notes to Exhibit K, page 264.

^b Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Average Daily Range of Temperature was *greater* than the average, and *vice versa*.

^c Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Average Daily temperature was *higher* than the average, and *vice versa*.

^d Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Relative Humidity of the Atmosphere was *less* than the average, and *vice versa*.

^e Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Absolute Humidity of the Atmosphere was *greater* than the average, and *vice versa*.

^f Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the amount of Ozone in the Atmosphere was *less* than the average, and *vice versa*.

^g Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Monthly Range of Barometer was *greater* than the average, and *vice versa*.

^h Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Average Daily Range of the Barometer was *greater* than the average, and *vice versa*.

ⁱ Exceptions to the proposition that *more* than the average number of deaths from Diarrhea occurred in months when the Average Daily Pressure of the Atmosphere was *greater* than the average, and *vice versa*.

Dysentery.—In 1876, 195 deaths occurred from dysentery in this State, according to the returns of deaths. A larger proportion of these were returned for August than for any other month, and in the two months of August and September, 65.13 per cent occurred. Less deaths were returned from this disease for 1876 than for any of the years 1869–1875, except the years 1871 and 1875.

TABLE XXI.—DIARRHEA AND DYSENTERY.—*Exhibiting, for the State and for Eleven Geographical Divisions of the State, the Number of Deaths Returned as having occurred from Diarrhea, from Dysentery, and from Typhoid Fever, and the Per Cent of Deaths from each Disease to Deaths from All Causes, during the Year 1876.*

STATE AND GEOGRAPHICAL DIVISIONS.*	DIARRHEA, 1876. ACUTE AND CHRONIC.		DYSENTERY, 1876. ACUTE AND CHRONIC.		TYPHOID FEVER, 1876.	
	Number of Deaths.	Per Cent of Deaths from Diarrhea to Deaths from all Causes.	Number of Deaths.	Per Cent of Deaths from Dysentery to Deaths from all Causes.	Number of Deaths.	Per Cent of Deaths from Typhoid Fever to Deaths from all Causes.
STATE.....	304	2.43	195	1.55	426	3.39
Upper-peninsular.....	20	2.96	14	2.07	25	3.70
Northwestern.....	14	6.48	5	2.31	2	.93
Northern.....	1	.68	1	.68	2	1.35
Northeastern.....	2	1.85	3	2.78	5	4.68
Western.....	48	3.73	23	1.79	42	3.27
Northern-central.....	1	.53	7	3.74	7	3.74
Bay and Eastern.....	36	2.23	21	1.30	37	2.28
Central.....	13	.67	33	1.69	96	5.03
Southwestern.....	9	.82	33	3.02	48	4.40
Southern-central.....	20	.86	21	.90	81	3.47
Southeastern.....	140	4.72	34	1.15	79	2.65

* For counties included in each Division, see page 163.

Rheumatism.—The deaths returned from Rheumatism in 1876 were few in number, and distributed somewhat uniformly through most of the months, the greatest numbers occurring in March and December. Exhibit 19, below, is given not so much for its value for this single year, as to supply a continuous series of such tables for use in the systematic study of the relations of meteorological conditions to this disease.

EXHIBIT 19.—RHEUMATISM.—Deaths Returned as having occurred in Michigan from Rheumatism, by Months, during the Year 1876, and some coincident Meteorological conditions.

MONTHS IN ORDER BY NUMBER OF DEATHS FROM RHEUMATISM, GREATEST FIRST.	DEATHS.*		Temperature,—Fahr.; Mean of three Daily Observations,—at 7 A. M., 2 P. M., and 9 P. M.			Humidity of At- mosphere, Etc.— Monthly Avera- ges.			Ozone,—Rela- tive. Maxi- mum=10.		Rain and Melted Snow, in Inches.	Range of Barometer.		Barometer Reduced to 32° Fahrenheit,— Average.
	Number.	Per Cent of Total.	Av. Range.		Relative Humidity, or Per Cent of Saturation.	Force or Pressure of Vapor, in Inches.	Weight, in Grains, of Vapor in a Cubic Foot of Air. ^a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	Monthly, and Year.		Average Daily.		
			Daily.	From Day to Day,— 2 P. M. to 2 P. M.									Temperature.	
Year, 1876.....	63	100.00	13.60	16.33	46.17	81.300	3.40	3.68	4.11	30.55	1.860	.138	29.010	
More than Av. No. of Deaths.	March.....	9 14.29	12.84	14.39	30.55	95.150	b 1.78	c 6.06	c 7.00	4.84	1.812	.223	d 28.929	
	December..	8 12.70	12.84	14.90	15.23	92.088	b 1.09	c 4.57	c 4.81	1.29	1.090	.178	29.203	
	April.....	6 9.53	12.80	14.47	44.16	66.195	b 2.26	c 3.70	c 5.53	2.08	1.508	.159	d 29.000	
	September.	6 9.53	15.20	18.00	56.30	83.391	4.43	2.60	1.73	3.65	.500	.087	d 28.995	
Average.....	5.2	8.83	13.60	16.33	46.17	81.300	3.40	3.68	4.11	2.55	1.010	.138	29.010	
Less than the Average No. of Deaths.	February...	5 7.94	12.76	16.66	27.38	84.131	1.57	5.76	7.27	3.04	1.033	.176	d 29.063	
	May.....	5 7.94	15.26	17.90	57.95	73.349	b 3.93	c 3.10	4.13	4.13	1.214	.121	29.009	
	July.....	5 7.94	15.87	17.90	72.48	78.617	b 6.76	c 2.16	c 1.58	2.10	.507	.070	29.009	
	August.....	5 7.94	17.74	20.97	71.55	76.576	b 6.31	c 1.97	c 1.26	1.28	.459	.061	d 29.048	
	October...	5 7.94	14.94	16.45	43.74	76.220	2.56	c 3.45	c 3.48	1.26	.923	.149	28.929	
	January....	4 6.35	10.81	15.77	30.22	84.157	1.88	5.32	6.90	1.63	1.626	.255	d 29.073	
	June.....	3 4.76	13.17	16.53	65.14	79.539	b 5.95	c 1.87	c 2.27	4.34	.511	.075	28.911	
	November..	2 3.17	8.98	12.00	36.33	85.191	2.26	c 3.57	c 3.33	91	9.40	.102	28.953	

* Includes deaths from Rheumatism of Heart, Inflammatory, Sciatic, of Stomach, and Rheumatism (unspecified); for numbers of deaths from each of these, and for months of deaths, ages of decedents, etc., see Table XVII., pages 200-244.

^a See foot-notes to Exhibit K, page 264.

^b Exceptions to the proposition that the air contains more than the average amount of vapor of water in months when more than the average number of deaths from Rheumatism occurred, and vice versa.

^c Exceptions to the proposition that there was less than the average Ozone in the air in months when more than the average number of deaths from Rheumatism occurred, and vice versa.

^d Exceptions to the proposition that the Atmospheric Pressure was greater than the average in months when more than the average number of deaths from Rheumatism occurred, and vice versa.

Scarlet Fever.—This disease is reported to have caused 399 deaths in Michigan in 1876, which is 3.17 per cent of the deaths from all causes. This is the smallest number returned for any of the years 1869–1876, except 1869. The number of deaths from Scarlet Fever returned for each of the years 1869–1876 is as follows: 1870, 852 deaths; 1871, 696; 1873, 580; 1872, 565; 1874, 440; 1875, 423; 1876, 399; 1869, 252. Scarlet Fever prevailed most during February, March, April, and May, 52.39 per cent of the deaths from this disease having occurred during those four months; and 56.14 per cent of all the decedents from Scarlet Fever in 1876 were under five years of age.

EXHIBIT Y.—SCARLET FEVER.—*Deaths from Scarlet Fever, Returned as having occurred in Michigan, by Months, during the Year 1876, and some coincident Meteorological conditions.*

MONTHS IN ORDER BY NUMBER OF DEATHS FROM SCARLET FEVER, GREATEST FIRST.	Deaths from Scarlet Fever, 1876.		Temperature, — Fahr. ; Mean of three Daily Observations,—at 7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, etc.,— Monthly Averages.					Ozone,— Relative. Maximum = 10.		Barometer Reduced to 32° Fahrenheit, — Average.	
	Number.	Per Cent of Total.	Average Range.			Relative Humidity, or Per Cent of Saturation.	Force or Pressure of Vapor, in Inches.	Weight, in Grains, of Vapor in a Cubic Foot of Air. ^a	Weight, in Troy Ounces, of Vapor Inhaled by one per- son in 24 hours. ^a	Weight, in Troy Ounces, of vapor Exhaled from Air Passages in 24 hours in excess of vapor inhaled. ^a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
			Daily.	From Day to Day,— 2 P. M. to 2 P. M.										Temperature.
Year, 1876.....	399	100.00	13.60	16.33	46.17	81	.300	3.40	2.12	9.56	3.68	4.11	29.010	
More than Av No. of Deaths.	Feb.....	56	14.04	12.76	16.66	27.38	84	.131	1.57	.98	10.70	5.76	7.27	29.063
	May.....	55	13.78	15.26	17.90	57.95	73	.349	3.93	2.46	9.22	3.10	4.13	29.009
	March.....	50	12.53	12.84	14.39	30.55	95	.150	1.78	1.11	10.57	6.06	7.00	28.929
	April.....	48	12.03	12.80	14.47	44.16	66	.195	2.26	1.41	10.27	3.70	5.53	29.000
	Jan.....	39	9.77	10.81	15.77	30.22	84	.157	1.88	1.18	10.50	5.32	6.90	29.073
Average	33	8.33	13.60	16.33	46.17	81	.300	3.40	2.12	9.56	3.68	4.11	29.010	
Less than the Average No. of Deaths.	Dec.....	29	7.27	12.84	14.90	15.23	92	.088	1.09	.68	11.00	4.57	4.81	29.203
	June.....	26	6.52	13.17	16.53	68.14	79	.539	5.95	3.72	7.96	1.87	2.27	28.911
	Nov.....	24	6.02	8.08	12.00	36.33	85	.191	2.26	1.41	10.27	3.57	3.33	28.953
	Oct.....	23	5.76	14.94	16.45	43.74	76	.220	2.56	1.60	10.08	3.45	3.48	28.929
	August....	20	5.01	17.74	20.97	71.55	76	.576	6.31	3.94	7.74	1.97	1.26	29.048
	Sept.....	17	4.26	15.20	18.00	56.30	83	.391	4.43	2.77	8.91	2.60	1.73	28.995
July.....	12	3.01	15.87	17.90	72.48	78	.617	6.76	4.23	7.45	2.16	1.58	29.000	

^a See foot-notes to Exhibit K, page 264.

^b Exceptions to the proposition that the Temperature was lower than the average in months when more than the average number of deaths from Scarlet Fever occurred, and vice versa.

^c Exceptions to the proposition that the Absolute Humidity of the Atmosphere was less than the average in months when more than the average number of deaths from Scarlet Fever occurred, and vice versa.

Consumption.—One thousand five hundred and ninety (1,590) deaths from consumption were returned as having occurred in Michigan in 1876,—the largest number of deaths ever returned to this department as having been caused by this disease. No other disease is reported to have caused so many deaths in this State. In 1876 more than one-eighth (12.64 per cent) of the deaths from all causes were caused by consumption alone. The number of deaths from this disease in each of the years 1869–1876 is as follows: in 1876, 1,590 deaths; in 1875, 1,479; in 1872, 1,467; in 1870, 1,451; in 1873, 1,447; in 1871, 1,392; in 1871, 1,303; in 1869, 1,233.

EXHIBIT N.—CONSUMPTION.—*By Sex, the Number of Deaths Returned as having occurred in Michigan, from Consumption, during the Year 1876, by Months Equalized to Uniform Length of 30.44 days each; also the Average Number per Month. (Deaths in Unknown Month Excluded.)*

SEX.	TOTAL.	DEATHS FROM CONSUMPTION IN 1876, BY MONTHS OF EQUAL LENGTH.												
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Average.
Total	1,585	78	121	138	142	150	139	134	122	157	140	127	137	132.06
Males....	693	36	48	63	56	63	62	63	59	77	58	57	56	56.17
Females.	887	42	73	75	86	87	77	71	63	80	82	70	81	73.93

* Excluding 3 deaths in Unknown month, and 1 male and 1 female lost in equalizing. The number of deaths from Consumption, as returned, is 1,590.

EXHIBIT O.—CONSUMPTION.—Deaths from Consumption, Returned as having occurred in Michigan, by Months, during the Year 1876, and some coincident Meteorological conditions.

MONTHS IN ORDER BY NUMBER OF DEATHS FROM CONSUMPTION, GREATEST FIRST.	DEATHS FROM CON- SUMPTION, 1876.		Temperature, — Fahr. ; Mean of three Daily Observations,—7 A. M., 2 P. M., and 9 P. M.			HUMIDITY OF ATMOSPHERE, ETC., —MONTHLY AVERAGES.					OZONE, RELATIVE MAXIMUM =10.		Barometer Reduced to 32° Fahrenheit, — Average.	
	Number.	Per Cent of Total.	AVERAGE RANGE.		Temperature.	Relative Humidity, or Per Cent of Saturation.	Force or Pressure of Vapor, in Inches.	Weight, in Grains, of Vapor in a Cubic Foot of Air. ^a	Weight, in Troy Ounces, of Vapor Inhaled by one per- son in 24 hours. ^a	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in excess of Vapor inhaled. ^a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
			Daily.	From Day to Day,— 2 P. M. to 2 P. M.										
Year, 1876.....	1,587	100.00	13.60	16.33	46.17	81	.300	3.40	2.12	9.56	3.63	4.11	29.010	
More than the Average No. of Deaths.	Sept.	155	9.77	15.20	18.00	56.30	83	.391	4.43	2.77	8.91	2.60	1.73	28.996
	May.....	153	9.64	13.26	17.90	57.95	73	.349	3.93	2.46	9.22	3.10	4.13	29.009
	Oct.	143	9.01	14.94	16.45	c 43.74	76	.220	2.56	d 1.60	10.08	3.45	3.43	28.929
	March....	140	8.82	12.84	14.39	c 30.55	95	.150	1.78	d 1.11	10.57	6.06	7.00	28.929
	April.....	140	8.82	12.80	14.47	c 44.16	66	.105	2.26	d 1.41	10.27	3.70	5.53	29.000
	Dec.....	139	8.76	12.84	14.90	c 15.23	92	.088	1.09	d .68	11.00	4.57	4.81	29.203
	June.....	137	8.63	13.17	16.53	68.14	79	.539	5.95	3.72	7.96	1.87	2.27	28.911
July.....	136	8.57	15.87	17.00	72.48	78	.617	6.76	4.23	7.45	2.16	1.58	29.009	
Average.....	132	8.33	13.60	16.33	46.17	81	.300	3.40	2.12	9.56	3.63	4.11	29.010	
Less than the Average No. of Deaths.	Nov.....	125	7.88	8.98	12.00	36.33	85	.191	2.26	1.41	10.27	3.57	3.33	28.953
	August..	124	7.81	17.74	20.97	c 71.55	76	.576	6.31	d 3.94	7.74	1.97	1.26	29.048
	Feb.....	115	7.25	12.76	16.06	27.38	84	.131	1.57	.98	10.70	5.76	7.27	29.063
	Jan.....	80	5.04	10.81	15.77	30.22	84	.157	1.88	1.18	10.50	5.32	6.90	29.073

^a See foot-notes to Exhibit K, page 264.^b Excluding 3 in unknown month.^c Exceptions to the proposition that the Temperature was *higher* than the average in months when *more* than the average number of deaths from Consumption occurred, and *vice versa*.^d Exceptions to the proposition that *more* than an average amount of Vapor was inhaled in months in which there was *more* than the average number of deaths from Consumption, and *vice versa*.

Pneumonia.—This disease is reported to have caused 627 deaths in this State in 1876.—4.99 per cent of the deaths from all causes. Since the year 1870, the number of reported deaths from pneumonia has constantly increased up to the year 1875, the order of the years 1869–1876, years first in order in which occurred the greatest number of deaths from pneumonia, being as follows: 1874, 802 deaths; 1875, 745; 1873, 706; 1872, 641; 1876, 627; 1871, 441; 1869, 427; 1870, 378. By means of Exhibit P, page 281, the influence of the meteorological conditions upon the mortality from pneumonia may be studied. The propositions made in this exhibit are the opposite of those made concerning Consumption in Exhibit O, and to each proposition in Exhibit P there are only three exceptions.

EXHIBIT 18.—PNEUMONIA.—Deaths Returned as having occurred in Michigan, from Pneumonia in February and March of each of the Years 1869–1876, the Average for the Eight Years ending with 1876, and some coincident Meteorological conditions, at the Agricultural College, near the center of the thickly-settled part of the State.

FEBRUARY AND MARCH OF EACH OF THE YEARS 1869-1876.		Number of Deaths from Pneumonia.	Temperature, —F.; Mean of 3 Daily Ob- servations,—7 A. M., 2 P. M., and 9 P. M.				Rain and Melted Snow, in Inches.	Humidity of At- mosphere, Etc.,— Monthly Aver- ages.			Ozone,—Rel- ative. Maximum =10.		Barometer Reduced to 32° Fahrenheit, Average. ^b	Range of Barometer.	
			Average Range.		From Day to Day,— 2 P. M. to 2 P. M.	Temperature.		Relative Humidity, or Per Cent of Saturation.	Force or Pressure of Vapor, in Inches.	Weight, in Grains, of Vapor in a Cubic Foot of Air. ^a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		Monthly.	Average Daily.
			Daily.												
Average	{ Feb..... March....	72 85	18.81 14.97	18.50 17.12	22.28 29.77	1.741 2.498	89 84	.118 .144	1.41 1.72	5.06 4.77	6.37 6.14	28.877 28.878	1.160 1.159	.178 .181	
1869	{ Feb..... March....	64 72	17.10 17.40	..... .....	26.66 27.60	2.950 1.653	95 82	.148 .124	k 1.78 l 1.48	..... .....	..... .....	28.839 28.834	1.483 .717	..... .....
1870	{ Feb..... March....	46 44	c 15.46 d 14.58	e 17.89 f 16.48	24.25 h 20.28	1.203 3.007	84 84	.112 .148	l 1.35 m 1.76	..... .....	..... .....	28.807 28.845	1.215 1.161	..... .....
1871	{ Feb..... March....	50 64	c 13.71 d 14.42	e 17.39 f 19.26	25.65 h 38.18	1.730 3.910	90 83	.132 .194	k 1.58 l 2.28	..... .....	..... .....	28.816 28.810	.978 .844	..... .....
1872	{ Feb..... March....	64 75	20.41 17.32	23.21 19.97	21.34 24.75	.490 2.040	84 85	.100 .109	l 1.23 m 1.32	n 4.00 o 3.00	p 6.00 q 5.71	28.842 28.911	1.107 1.121	.111 .106	
1873	{ Feb..... March....	110 80	14.61 d 14.16	18.71 f 16.61	19.10 28.30	.770 1.730	91 71	.117 .127	l 1.43 m 1.52	4.21 n 4.09	5.93 p 5.80	28.847 28.852	.842 1.907	.197 .218	
1874	{ Feb..... March....	57 108	c 12.32 d 13.52	e 14.07 f 16.45	25.51 32.30	1.550 1.786	89 83	.128 .161	k 1.55 l 2.00	5.53 n 5.00	6.10 o 6.00	28.928 28.885	1.287 1.061	.171 .135	
1875	{ Feb..... March....	116 128	20.14 15.48	21.57 16.68	8.35 28.20	2.198 1.020	94 87	.075 .136	k .78 l 1.63	m 5.78 n 5.70	o 6.57 p 6.19	28.875 28.844	1.231 1.231	.266 .163	
1876	{ Feb..... March....	71 107	c 12.76 d 12.84	e 16.68 f 14.39	27.38 30.55	3.040 4.840	84 95	.131 .150	k 1.59 l 1.78	5.76 n 6.06	7.27 p 7.00	28.063 28.929	1.033 1.812	.176 .253	
Av. for Years 1870-1876 (to compare with Range from Day to Day.)	{ Feb.. Mar..	73 87	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....
Av. for Yrs. 1872 -1876 (to com- pare with Ozone).	{ Feb.. Mar..	84 100	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....	..... .....

* See foot-notes to Exhibit K, page 264.

^b Not corrected for instrumental error previous to 1875. (See Exhibit 12 and remarks thereon, page 259.)

^c Four out of eight cases in which the Average Daily Range of Temperature was less than the average and the deaths less than the average.

^d Three out of eight cases in which the Average Daily Range of Temperature was less than the average and the deaths less than the average.

^e Four out of seven cases in which the Average Range of Temperature "from day to day" and the number of deaths were both less than the average.

^f Two out of seven cases in which the Average Range of Temperature "from day to day," and the number of deaths were both less than the average.

^g Seven out of eight cases in which the Average Temperature was higher and the deaths less than the average, or vice versa.

^h Three out of eight cases in which the Average Temperature was higher and the deaths less than the average, or vice versa.

ⁱ Five out of eight cases in which the Relative Humidity and the deaths were both greater than the average, or both less than the average.

EXHIBIT P.—PNEUMONIA.—Deaths from Pneumonia, Returned as having occurred in Michigan, by Months, during the Year 1876, and some coincident Meteorological conditions.

MONTHS IN ORDER BY NUMBER OF DEATHS FROM PNEUMONIA, GREATEST FIRST.		DEATHS FROM PNEU- MONIA, 1876.		Temperature,—Fahr. Mean of three Daily Observations, at 7 A. M., 2 P. M., and 9 P. M.			HUMIDITY OF ATMOSPHERE, ETC.,— MONTHLY AVERAGES.					OZONE,— RELATIVE. MAXIMUM= 10.		Barometer Reduced to 32° Fahr.,—Average.
		Number.	Per Cent of Total.	Average Range.		Relative Humidity, or Per Cent of Saturation.	Force or Pressure of Vapor, in Inches.	Weight, in Grains, of Vapor in a Cubic Foot of Air. ^a	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours. ^a	Weight, in Troy Ounces, of Vapor Exhaled from Air Passages in 24 hours in excess of vapor inhaled. ^a	Day, —7 A. M. to 2 P. M.	Night, —9 P. M. to 7 A. M.		
				Daily.	From Day to Day,—2 P. M. to 2 P. M.								Temperature.	
Year, 1876.....	6626	100.00	13.60	16.33	46.17	81	.300	3.40	2.12	9.56	3.68	4.11	29.010	
More than Av. No. of Deaths.	March.....	107	17.09	12.84	14.39	30.55	95	.150	1.78	1.11	10.57	6.06	7.00	28.929
	Dec.....	91	14.54	12.84	14.90	15.23	92	.088	1.09	.68	11.00	4.57	4.81	29.203
	Feb.....	71	11.34	12.76	16.66	27.38	84	.131	1.57	.98	10.70	5.76	7.27	29.063
	April.....	68	10.86	12.80	14.47	44.16	66	.195	2.26	1.41	10.27	3.70	5.53	29.000
Average.....		52	8.33	13.60	16.33	46.17	81	.300	3.40	2.12	9.56	3.68	4.11	29.010
Less than the Average No. of Deaths.	May.....	50	7.99	15.26	17.90	57.95	73	.349	3.93	2.46	9.22	3.10	4.13	29.009
	Jan.....	43	6.87	10.81	15.77	30.22	84	.157	1.88	1.18	10.50	5.32	6.90	29.073
	Nov.....	40	6.39	8.98	12.00	36.33	85	.191	2.26	1.41	10.27	3.67	3.33	28.953
	Oct.....	38	6.07	14.94	16.45	43.74	76	.220	2.56	1.60	10.08	3.45	3.48	28.929
	August.....	37	5.91	17.74	20.97	71.55	76	.576	6.31	3.94	7.74	1.97	1.26	29.048
	June.....	33	5.27	13.17	16.53	68.14	79	.539	5.95	3.72	7.96	1.87	2.27	28.911
	Sept.....	28	4.47	15.20	18.00	56.30	83	.391	4.43	2.77	8.91	2.60	1.73	28.995
July.....	20	3.10	15.87	17.90	72.48	78	.617	6.76	4.23	7.45	2.16	1.58	29.009	

^a See foot-notes to Exhibit K, page 264.

^b Excluding 1 in unknown month.

^c Exceptions to the proposition that the temperature was *greater* than the average in months when *less* than the average number of deaths from Pneumonia occurred, and *vice versa*.

^d Exceptions to the proposition that *more* than the average amount of vapor was inhaled in months when *less* than the average number of deaths from Pneumonia occurred, and *vice versa*.

^e Five out of eight cases in which the Absolute Humidity was *greater* and the deaths *less* than the average, or *vice versa*.

^f Three out of eight cases in which the Absolute Humidity was *greater* and the deaths *less* than the average, or *vice versa*.

^g Two out of five cases in which the Day Ozone and the deaths were both *greater* than the average, or both *less* than the average.

^h Five out of five cases in which the Day Ozone and the deaths were both *greater* than the average, or both *less* than the average.

ⁱ Three out of five cases in which the Night Ozone and the deaths were both *greater* than the average, or both *less* than the average.

^j Four out of five cases in which the Night Ozone and the deaths were both *greater* than the average, or both *less* than the average.

^k Four out of eight cases in which the Pressure of the Atmosphere and the deaths were both *greater* than the average or both *less* than the average.

^l Five out of eight cases in which the Pressure of the Atmosphere and the deaths were both *greater* than the average, or both *less* than the average.

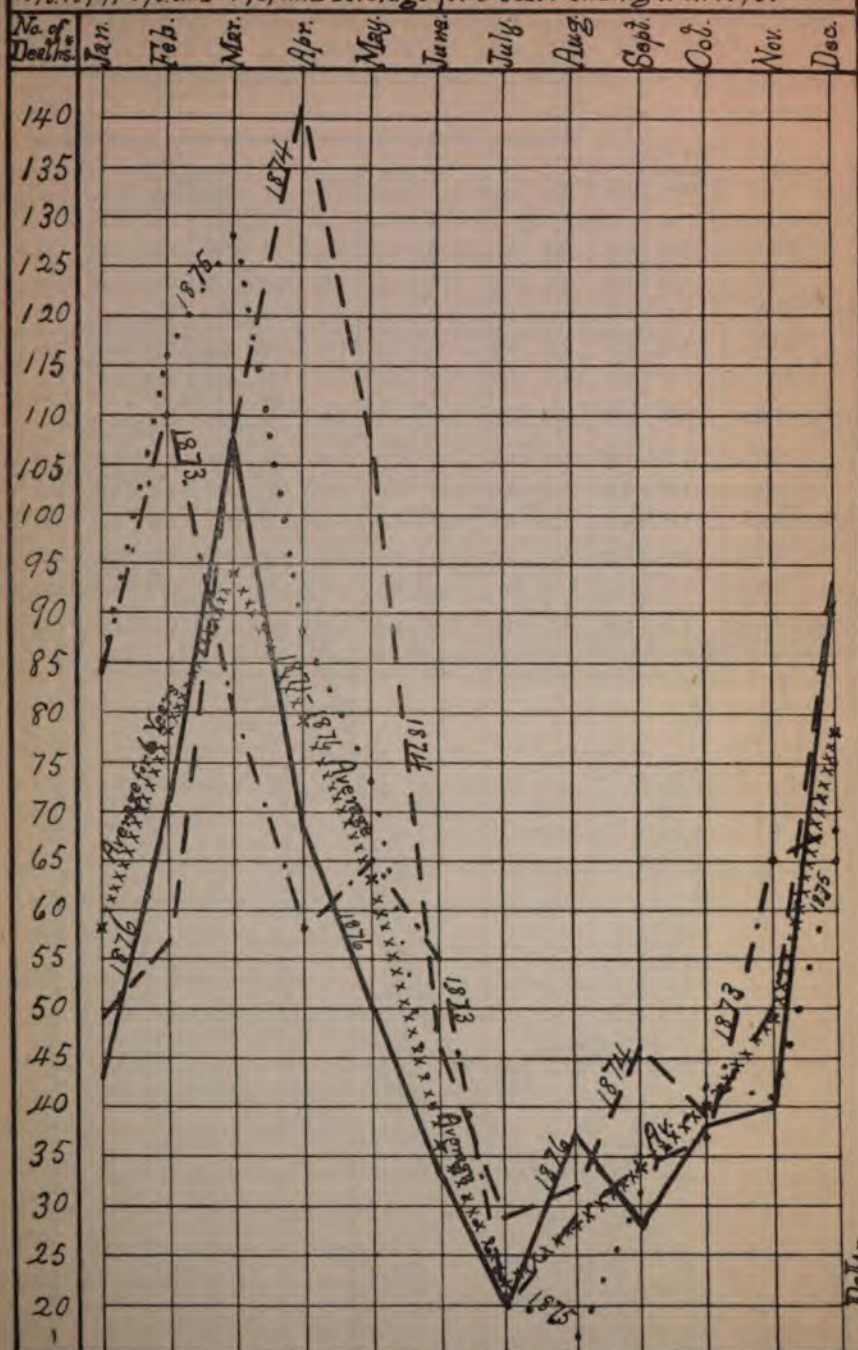
EXHIBIT 17.—PNEUMONIA.—*By Months, the Number of Deaths Returned as having occurred from Pneumonia, in Michigan, during each of the Years 1871–1876, and the Average for six years ending with 1876.*

YEARS.	To- tals.	DEATHS FROM PNEUMONIA BY MONTHS, 1871–1876.												
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
1871.....	441	41	50	64	41	27	18	17	19	33	28	34	63	1
1872.....	641	46	64	75	79	53	22	28	31	29	56	63	89	2
1873.....	706	84	110	80	58	65	55	20	29	34	37	65	68	1
1874.....	800	49	57	108	141	106	46	29	32	46	39	50	93	2
1875.....	745	55	116	123	88	73	36	21	17	31	42	41	65	2
1876.....	627	43	71	107	68	50	33	20	37	28	33	40	91	1
Av. for 6 y'rs	660	58	78	94	79	63	36	23	23	34	40	49	78	2

Exhibit 17 should be compared with Exhibit 20, and inasmuch as such comparisons are greatly favored by picturing the facts so that the eye may aid the imagination to retain the characters of each set until the other set are grasped, Diagrams 9 and 10, pages 283 and 285, have been formed, showing graphically for each month in each year just how much the deaths rose or fell (increased or diminished in number), and how much the Ozone rose or fell (increased or decreased in quantity). It will be seen that as a rule the deaths rose high when, or directly after, the Ozone rose, and that the deaths lowered when the Ozone fell (in the warm weather), and that the deaths rose again in the autumn when the Ozone increased in quantity.

DIAGRAM No. 9.

Deaths Returned as having occurred in Michigan from Pneumonia in 1873, 1874, 1875, and 1876, and Average for 6 Years ending with 1876.



*Scale = 10 to the inch.

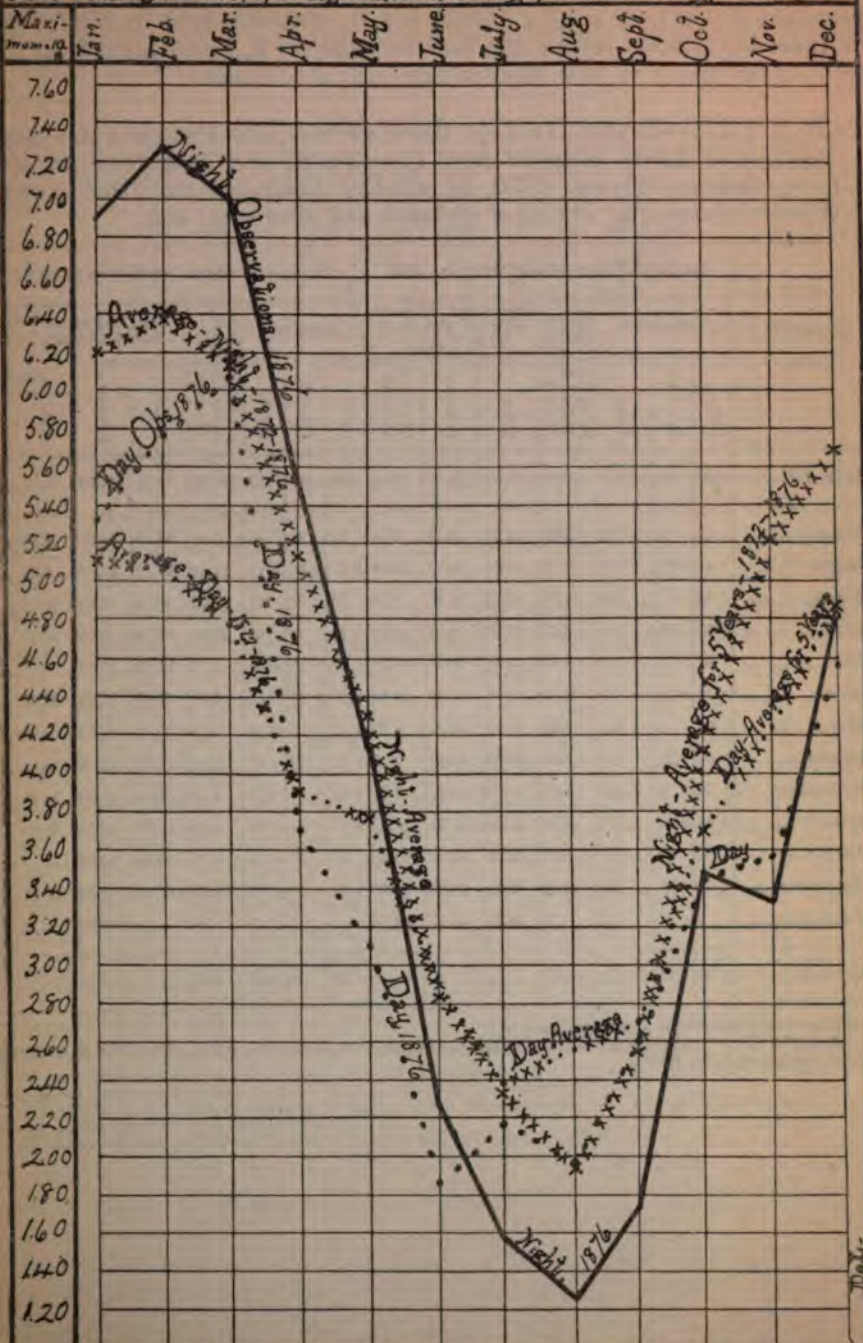
Designed by Henry B. Baker.

EXHIBIT 20.—*Relative Amount of Ozone in Air from 9 P. M. to 7 A. M.—Night Observations,—by Months, during the Years 1872, 1873, 1874, 1875, and 1876, and the Average for 5 years ending with 1876 ; also the Average for 5 years ending with 1876, from 7 A. M. to 2 P. M.,—Day Observations,—at Agricultural College, near Lansing, Michigan.*

YEARS.		ANNUAL AVER- AGE.	RELATIVE AMOUNT OF OZONE, BY MONTHS. MAXIMUM=10.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Day	1872....	2.82	4.50	4.00	3.00	2.63	2.14	1.91	.88	.98	1.40	1.93	4.60	5.81
	1873....	4.02	5.06	4.21	4.09	3.78	4.58	3.98	3.59	3.55	2.30	4.52	4.30	4.97
	1874....	4.10	5.10	5.53	5.00	5.70	5.80	3.50	1.80	2.80	2.90	3.32	2.80	4.00
	1875....	4.53	5.52	5.78	5.70	3.73	3.19	3.96	3.52	3.50	4.30	5.30	4.90	5.00
	1876....	3.68	5.32	5.76	6.06	3.70	3.10	1.87	2.16	1.97	2.60	3.45	3.57	4.57
Av. for 5 years..		3.83	5.10	5.06	4.77	3.90	3.76	2.90	2.39	2.56	2.70	3.70	4.23	4.87
Night..	1872....	4.24	5.44	6.00	5.71	5.30	3.84	3.23	2.28	.99	1.86	3.18	6.17	6.84
	1873....	4.63	6.32	5.93	5.80	4.27	4.59	2.66	3.06	2.65	4.27	4.69	5.47	5.89
	1874....	3.99	6.39	6.10	6.00	6.60	4.90	2.34	1.50	1.10	1.20	3.01	4.50	4.20
	1875....	5.04	5.93	6.57	6.19	3.96	4.03	3.66	3.22	3.70	3.68	6.20	6.60	6.70
	1876....	4.11	6.90	7.27	7.00	5.53	4.13	2.27	1.58	1.28	1.73	3.48	3.33	4.81
Av. for 5 years..		4.40	6.20	6.37	6.14	5.13	4.30	2.83	2.33	1.94	2.55	4.11	5.21	5.69

DIAGRAM No. 10.

Relative Amount of Ozone in Air from 9 P.M. to 7 A.M. - Night Observations - and from 7 A.M. to 2 P.M. - Day Observations - in 1876, and the Average for 5 Years ending with 1876, at Agricultural College, near Lansing, Mich.



*Scale = 1.00 to the inch.

Designed by Henry B. Baker.

CORRELATION OF CONSUMPTION AND PNEUMONIA.

These two diseases may be studied together in Tables XXII. and XXIII., pages 286 and 287, by sex, by months and by periods of age. A careful study of these two diseases reveals the fact that they or at least deaths from them seem to be dependent upon opposite surrounding conditions.

TABLE XXII.—CORRELATION OF CONSUMPTION AND PNEUMONIA.—Deaths Returned as having occurred from Consumption and Pneumonia, in Michigan, during the Year 1876, by Months, Exhibiting the Total Number, Number of each Sex, Per Cent of Total, and Excess of Sex.

MONTHS, 1876.	DEATHS FROM CONSUMPTION, 1876.							DEATHS FROM PNEUMONIA, 1876.							
	NUMBER.			Per Cent of Deaths in each Month to Total for Year.	Per Cent of each Sex to Total of both Sexes.			NUMBER.			Per Cent of Deaths in each Month to Total for Year.	Per Cent of each Sex to Total of both Sexes.			
	Males.	Females.	Total.		Males.	Females.	Excess of Females.	Males.	Females.	Total.		Males.	Females.	Excess.	
														Males.	Females.
Year, 1876.....	700	890	1,590	100.00	44.03	55.97	11.94	364	263	627	100.00	58.05	41.95	16.10	.....
January.....	37	43	80	5.03	46.25	53.75	7.50	22	21	43	6.86	51.16	48.84	2.32	.....
February.....	b 46	b 69	b 115	7.23	40.00	60.00	20.00	b 37	b 34	b 71	11.32	52.11	47.89	4.22	.....
March.....	64	76	140	8.81	45.71	54.29	8.58	59	48	107	17.07	55.14	44.86	10.28	.....
April.....	55	85	140	8.81	39.29	60.71	21.42	b 45	23	68	10.85	66.18	33.82	32.36	.....
May.....	64	b 89	b 153	9.62	41.83	58.17	16.34	34	b 16	b 50	7.97	68.00	32.00	36.00	.....
June.....	61	b 76	b 137	8.62	44.53	55.48	10.95	b 22	b 11	b 33	5.26	66.67	33.33	33.34	.....
July.....	64	72	b 136	8.55	47.06	52.94	5.88	b 12	8	b 20	3.19	60.00	40.00	20.00	.....
August.....	60	64	124	7.80	48.39	51.61	3.22	b 21	16	37	5.90	56.76	43.24	13.52	.....
September.....	76	b 79	b 155	9.75	49.03	50.97	1.94	b 16	b 12	b 28	4.47	57.14	42.86	14.28	.....
October.....	59	b 84	b 143	8.99	41.26	58.74	17.48	b 21	b 17	b 38	6.06	55.26	44.74	10.52	.....
November.....	56	69	125	7.86	44.80	55.20	10.40	20	20	40	6.38	50.00	50.00	.....	.....
December.....	b 57	82	139	8.74	41.01	58.99	17.98	b 55	36	91	14.51	60.44	39.56	20.88	.....
Unknown.....	1	2	3	.19	33.33	66.67	33.34	.....	1	1	.16	.....	100.00	.....	100.00
Average.....*	58	74	132	8.33	.....	.....	.....	30	22	52	8.33	.....	.....	.....	.....

* Excluding deaths in unknown month.

b Less than the average number of deaths from Consumption and more than the average from Pneumonia, and vice versa.

TABLE XXIII.—CORRELATION OF CONSUMPTION AND PNEUMONIA.—*Exhibiting the Number and Per Cent of Deaths of each Sex, the difference between the Sexes, and the Per Cent of Total Deaths at each Period of Age from Consumption and Pneumonia, Returned as having occurred in Michigan during the Year 1876.*

AGES IN PERIODS OF YEARS, 1876.	DEATHS FROM CONSUMPTION, 1876.								DEATHS FROM PNEUMONIA, 1876.								
	NUMBER.			Per Cent of Deaths at each Age to Deaths at All Ages.	PER CENT OF THE SEXES.				NUMBER.			Per Cent of Deaths at each Age to Deaths at All Ages.	PER CENT OF THE SEXES.				
	Males.	Females.	Total.		Males.	Females.	EXCESS.		Males.	Females.	Total.		Males.	Females.	EXCESS.		
							Males.	Females.							Males.	Females.	
All Ages.	700	890	1,590	100.00	44.03	55.97	-----	11.94	364	263	627	100.00	58.03	41.95	16.10	-----	
Under 5..	46	46	92	5.79	50.00	50.00	b	-----	160	131	291	46.41	54.98	45.02	9.06	b	
5 to 10....	7	13	20	1.26	35.00	65.00	-----	30.00	15	14	29	4.63	51.72	48.28	3.44	-----	
10 to 15....	10	31	41	2.53	24.39	75.61	-----	51.22	5	10	15	2.39	33.33	66.67	-----	33.34	
15 to 20....	a 44	a 124	a 168	a 10.57	26.19	73.81	-----	47.62	a 14	a 11	a 25	a 3.99	56.00	44.00	12.00	-----	
20 to 25....	a 64	a 135	a 199	a 12.52	32.16	67.84	b	-----	35.68	a 10	a 6	a 16	a 2.55	62.50	37.50	25.00	b
25 to 30....	a 84	a 111	a 195	a 12.26	43.08	56.92	b	-----	13.84	a 12	a 4	a 16	a 2.55	75.00	25.00	50.00	b
30 to 35....	a 58	a 83	a 141	a 8.87	41.13	58.87	b	-----	17.74	a 11	a 7	a 18	a 2.87	61.11	38.89	22.22	b
35 to 40....	a 49	a 97	a 146	a 7.30	42.24	57.76	b	-----	15.52	a 14	a 5	a 19	a 3.03	73.68	26.32	47.36	b
40 to 45....	a 41	a 46	a 87	a 5.47	47.13	52.87	-----	5.74	a 16	a 8	a 24	a 3.83	66.67	33.33	33.34	-----	
45 to 50....	a 58	a 44	a 102	a 6.41	50.86	49.14	13.72	-----	a 13	a 8	a 21	a 3.35	61.90	38.10	23.80	-----	
50 to 55....	36	42	78	4.91	46.15	53.85	-----	7.70	14	11	25	3.99	56.00	44.00	12.00	-----	
55 to 60....	a 46	a 40	a 86	a 5.41	53.49	46.51	6.93	-----	a 11	a 4	a 15	a 2.39	73.33	26.67	46.66	-----	
60 to 65....	a 45	a 26	a 71	a 4.46	63.38	36.62	26.76	b	a 14	a 12	a 26	a 4.15	53.85	46.15	7.70	b	
65 to 70....	35	20	55	3.46	63.64	36.36	27.28	-----	19	13	32	5.10	59.38	40.62	18.75	-----	
70 to 75....	37	20	57	3.58	64.91	35.09	29.82	-----	16	a 8	a 24	a 3.83	66.67	33.33	33.34	-----	
75 to 80....	24	19	43	2.70	55.81	44.19	11.62	b	10	9	19	3.03	52.63	47.37	5.26	b	
80 and over	6	9	15	.94	40.00	60.00	b	20.00	8	2	10	1.59	80.00	20.00	60.00	b	
Unk'n....	10	14	24	1.51	41.66	58.34	b	16.68	2	-----	2	.32	100.00	-----	100.00	b	
Average	40.6	51.5	92.0	5.79	46.21	53.79	-----	-----	21.3	15.5	36.8	5.86	61.10	38.90	-----	-----	

a More than an average number and per cent of deaths from Consumption and less than an average number and per cent of deaths from Pneumonia, and vice versa.

b More than an average proportion of males from Consumption, and less than an average proportion of males from Pneumonia, and vice versa.

c Of 17 periods, of 5 years each, excluding deaths at unknown ages.

TABLE XXIV.—*Exhibiting for the State and Eleven Geographical Divisions in 1876, by Sex, the Number of Deaths Returned as having occurred from All Causes, from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea; also the Per Cent of Deaths from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea, to Deaths from All Causes.*

STATE AND GEOGRAPH- ICAL DIVISIONS. ^a	SEX.	Deaths from All Causes, 1876.	CONSUMPTION.		PNEUMONIA.		TYPHOID FEVER.		INTERMITTENT FEVER.		DIARRHEA.	
			Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.
STATE..... ^b	To...	12,576	1,590	12.64	627	4.99	426	3.39	36	.29	304	2.42
	Ma...	6,756	700	10.36	364	5.39	233	3.45	16	.24	170	2.53
	Fe...	5,781	890	15.45	263	4.57	193	3.35	20	.35	132	2.29
	Unk.	59	-----	-----	-----	-----	-----	-----	-----	-----	2	3.39
Upper-peninsular	To...	675	63	9.32	38	5.63	25	3.70	-----	-----	20	2.96
	Ma...	383	31	8.09	25	6.53	18	4.70	-----	-----	10	2.61
	Fe...	281	32	11.39	13	4.63	7	2.49	-----	-----	9	3.20
	Unk.	11	-----	-----	-----	-----	-----	-----	-----	-----	1	9.09
Northwestern	To...	216	20	9.26	10	4.63	2	.93	1	.46	14	6.48
	Ma...	120	5	4.17	6	5.00	2	1.67	-----	-----	7	5.83
	Fe...	96	15	15.63	4	4.17	-----	-----	1	1.04	7	7.29
	Unk.	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Northern	To...	148	22	14.86	7	4.73	2	1.35	-----	-----	1	.66
	Ma...	82	10	12.20	4	4.88	1	1.22	-----	-----	1	1.22
	Fe...	64	12	18.75	3	4.69	1	1.56	-----	-----	-----	-----
	Unk.	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Northeastern	To...	108	10	9.26	4	3.70	5	4.63	-----	-----	2	1.86
	Ma...	59	3	5.08	1	1.68	3	5.08	-----	-----	1	1.69
	Fe...	49	7	14.29	3	6.12	2	4.08	-----	-----	1	2.04
	Unk.	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Western	To...	1,286	138	10.73	53	4.12	42	3.27	8	.63	48	3.73
	Ma...	697	64	9.18	28	4.17	16	2.38	5	.72	27	3.87
	Fe...	583	74	12.69	25	4.29	24	4.12	3	.51	21	3.60
	Unk.	6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
North'n-central	To...	187	29	15.51	3	1.60	7	3.74	1	.53	1	.53
	Ma...	91	11	12.09	-----	-----	3	3.30	-----	-----	1	1.10
	Fe...	96	13	18.75	3	3.13	4	4.17	1	1.04	-----	-----

^a For counties included in each Division, see page 168.

^b For counties and townships from which no returns of deaths in 1876 were received, see Exhibit H, page 141; for those in which no deaths occurred, see Exhibit I, page 142.

TABLE XXIV.—CONTINUED.

GEOGRAPHICAL DIVISIONS. *	SEX.	Deaths from All Causes, 1876.	CONSUMPTION.		PNEUMONIA.		TYPHOID FEVER.		INTERMITTENT FEVER.		DIARRHEA.	
			Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.
Bay and East'n	To...	1,620	185	11.43	84	5.19	37	2.28	10	.63	36	2.22
	Ma...	833	74	8.88	44	5.28	22	2.64	4	.48	23	2.76
	Fe...	772	111	14.38	40	5.18	15	1.94	6	.78	12	1.55
	Unk.	15	—	—	—	—	—	—	—	—	1	6.67
Central	To...	1,948	248	12.73	73	3.75	98	5.03	3	.15	13	.67
	Ma...	1,016	104	10.24	46	4.53	56	5.51	2	.20	6	.60
	Fe...	922	144	15.63	27	2.73	42	4.56	1	.11	7	.76
	Unk.	10	—	—	—	—	—	—	—	—	—	—
Southwestern	To...	1,091	130	11.92	101	9.26	48	4.40	4	.37	9	.82
	Ma...	577	62	10.75	58	10.06	21	3.64	—	—	7	1.21
	Fe...	514	68	13.23	43	8.37	27	5.25	4	.78	2	.39
	Unk.	4	—	—	—	—	—	—	—	—	—	—
South'n central	To...	2,331	346	14.84	99	4.25	81	3.47	2	.09	20	.86
	Ma...	1,232	149	12.09	54	4.38	48	3.90	—	—	11	.89
	Fe...	1,095	197	17.99	45	4.11	33	3.01	2	.18	9	.82
	Unk.	4	—	—	—	—	—	—	—	—	—	—
Southeastern	To...	2,966	399	13.45	155	5.23	79	2.66	7	.24	140	.47
	Ma...	1,666	187	11.22	98	5.88	41	2.46	5	.30	76	4.56
	Fe...	1,280	212	16.45	57	4.42	38	2.95	2	.16	64	4.97
	Unk.	11	—	—	—	—	—	—	—	—	—	—

* For counties included in each Division, see page 168.

TABLE XXV.—*Exhibiting for the State and by Counties, for the Year 1876, the Number of Deaths Returned as having occurred from All Causes, from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea; also the Per Cent of Deaths from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea to Deaths from All Causes.*

STATE AND COUNTIES.	Deaths from All Causes, 1876.	CONSUMPTION.		PNEUMONIA.		TYPHOID FEVER.		INTERMIT. FEVER.		DIARRHEA.	
		Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.	Num- ber of Dea's.	Per Cent to Deaths from All Causes.
STATE.....	12,576	1,590	12.64	627	4.99	436	3.39	36	.29	304	2.43
Alcona.....	8	2	25.00	1	12.50	1	12.50	-----	-----	-----	-----
Allegan.....	311	29	9.32	33	10.61	14	4.50	-----	-----	2	.64
Alpena.....	43	3	6.98	2	4.65	1	2.33	-----	-----	1	2.33
Antrim.....*	19	3	15.79	1	5.26	-----	-----	-----	-----	-----	-----
Baraga.....	27	6	22.22	-----	-----	1	3.70	-----	-----	-----	-----
Barry.....	196	21	10.71	4	2.04	10	5.10	-----	-----	2	1.02
Bay.....*	257	17	6.61	16	6.23	6	2.33	2	.78	6	2.33
Benzie.....	28	3	11.54	1	3.85	-----	-----	-----	-----	-----	-----
Berrien.....	335	43	12.84	26	7.76	13	3.88	1	.30	6	1.79
Branch.....	309	45	14.56	21	6.80	13	4.21	-----	-----	3	.97
Calhoun.....	238	35	14.71	11	4.62	5	2.10	1	.42	3	1.26
Cass.....	189	24	12.70	11	5.82	9	4.76	1	.53	1	.53
Charlevoix.....	33	7	21.21	3	9.09	-----	-----	-----	-----	1	3.03
Cheboygan.....*	14	1	7.14	-----	-----	-----	-----	-----	-----	-----	-----
Chippewa.....*	31	10	32.26	1	3.23	-----	-----	-----	-----	3	9.68
Clare.....*	16	3	18.75	-----	-----	1	6.25	-----	-----	1	6.25
Clinton.....	187	23	12.30	7	3.74	7	3.74	-----	-----	2	1.07
Delta.....*	38	8	21.05	3	7.92	2	5.26	-----	-----	2	5.26
Eaton.....	236	29	12.29	10	4.24	10	4.24	1	.42	1	.42
Emmet.....	65	10	15.38	2	3.08	2	3.08	-----	-----	-----	-----
Genesee.....*	255	33	12.94	8	3.14	11	4.31	1	.39	1	.39
Gladwin.....	1	-----	-----	1	100.00	-----	-----	-----	-----	-----	-----
Gd. Traverse.....	45	5	11.11	3	6.67	1	2.22	-----	-----	-----	-----
Gratiot.....	89	7	7.87	1	1.12	3	3.37	-----	-----	-----	-----
Hillsdale.....*	213	36	16.90	6	2.82	10	4.69	-----	-----	-----	-----
Houghton.....	183	7	3.83	5	2.73	6	3.28	-----	-----	1	.55
Huron.....	82	9	10.98	2	2.44	2	2.44	1	1.22	1	1.22
Ingham.....	255	27	10.59	15	5.88	16	6.27	-----	-----	-----	-----
Ionia.....*	231	38	16.45	4	1.73	15	6.49	-----	-----	3	1.30
Iosco.....*	40	4	10.00	1	2.50	3	7.50	-----	-----	1	2.50
Isabella.....*	84	14	16.67	1	1.19	5	5.95	1	1.19	-----	-----
Isle Royal.....	5	-----	-----	1	20.00	-----	-----	-----	-----	-----	-----
Jackson.....	331	42	12.69	10	3.02	9	2.72	-----	-----	4	1.21
Kalamazoo.....	324	45	13.89	17	5.25	4	1.23	-----	-----	3	.93
Kalkaska.....	13	1	7.69	-----	-----	-----	-----	-----	-----	-----	-----
Kent.....	612	78	12.75	28	4.58	22	3.59	4	.65	26	4.25
Keweenaw.....	74	1	1.35	6	8.11	4	5.41	-----	-----	1	1.35
Lake.....	13	1	7.69	-----	-----	-----	-----	-----	-----	-----	-----
Lapeer.....	173	19	10.98	12	6.94	3	1.73	2	1.16	2	1.16
Leelanaw.....	40	4	10.00	3	7.50	1	2.50	1	2.50	2	5.00
Lenawee.....	395	65	16.46	7	1.77	16	4.05	1	.25	3	.76
Livingston.....	158	25	15.82	7	4.43	7	4.43	-----	-----	1	.63

* For townships not represented by returns of deaths for 1876, see Exhibit H, page 141.

TABLE XXV.—CONTINUED.

COUNTIES.	Deaths from All Causes, 1876.	CONSUMPTION.		PNEUMONIA.		TYPHOID FEVER.		INTERMIT. FEVER.		DIARRHEA.	
		Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.	Number of Deaths.	Per Cent to Deaths from All Causes.	Num- ber of Dea's.	Per Cent to Deaths from All Causes.
Mackinac...	23	5	21.74	1	4.35	1	4.35	—	—	—	—
Macomb.....	260	42	16.15	8	3.08	4	1.54	—	—	10	3.85
Manistee.....	74	6	8.11	3	4.05	—	—	—	—	11	14.86
Manitou..... ^a	3	—	—	—	—	—	—	—	—	—	—
Marquette...	250	23	9.20	18	7.20	11	4.40	—	—	8	3.20
Mason.....	63	7	11.11	—	—	—	—	—	—	3	4.76
Mecosta..... ^a	46	7	15.22	—	—	1	2.17	—	—	—	—
Menominee...	20	1	5.00	—	—	—	—	—	—	5	25.00
Midland.....	40	5	12.50	1	2.50	—	—	—	—	—	—
Missaukee...	5	1	20.00	—	—	—	—	—	—	—	—
Monroe..... ^a	199	34	17.35	14	7.14	6	3.06	1	.51	2	1.02
Montcalm.... ^a	152	22	14.47	10	6.58	6	3.95	1	.66	1	.66
Muskegon...	120	10	8.33	3	2.50	2	1.67	1	.83	3	2.50
Newaygo.... ^a	68	4	5.88	3	4.41	5	7.35	1	1.47	—	—
Oakland..... ^a	268	47	17.54	18	6.85	10	3.73	2	.75	2	.75
Oceana.....	83	4	4.82	3	3.61	—	—	—	—	1	1.20
Ogemaw..... ^a	4	—	—	—	—	—	—	—	—	—	—
Ontonagon...	24	2	8.33	3	12.50	—	—	—	—	—	—
Osceola.....	68	7	10.29	1	1.47	3	4.41	—	—	4	5.88
Otsego..... ^a	4	—	—	1	25.00	—	—	—	—	—	—
Ottawa.....	250	27	10.42	15	5.79	10	3.96	2	.77	11	4.25
Presque Isle. ^a	13	1	7.69	—	—	—	—	—	—	—	—
Roscommon ^b	—	—	—	—	—	—	—	—	—	—	—
Saginaw.....	503	68	13.52	29	5.77	12	2.39	5	.99	21	4.17
Sanilac.....	144	17	11.81	5	3.47	8	2.08	—	—	3	2.08
Schoolcraft ^b	—	—	—	—	—	—	—	—	—	—	—
Shiawassee...	189	23	12.17	7	3.70	13	6.88	—	—	2	1.06
St. Clair.....	336	40	11.90	17	5.06	6	1.79	—	—	2	.60
St. Joseph...	219	30	13.70	11	5.02	6	2.74	—	—	1	.46
Tuscola.....	125	15	12.00	3	2.40	5	4.00	—	—	1	.80
Van Buren...	256	34	13.28	31	12.11	12	4.69	2	.78	—	—
Washtenaw...	302	48	15.89	16	5.30	18	5.96	—	—	3	.99
Wayne.....	2,242	276	12.31	120	5.35	59	2.63	4	.18	126	5.62
Wexford..... ^a	23	1	4.35	—	—	—	—	—	—	1	4.35

^a For townships not represented by returns of deaths for 1876, see Exhibit II, page 141.^b No returns of deaths to county clerk.

TABLE XXVI.—*Exhibiting for the State, and Eleven Geographical Divisions of Michigan, by Sex, the Number of Deaths Returned as having occurred at All Ages, from Old Age, of All Aged 70 and Over, and of All Aged under 5; also the Per Cent of Deaths from Old Age, of All Aged 70 and Over, and of All Aged under 5, to Deaths at All Ages, for the Year 1876.*

STATE AND GEOGRAPHICAL DIVISIONS. ^a	SEX.	Deaths at All Ages, 1876.	OLD AGE.		AGED 70 AND OVER.		AGED UNDER 5.	
			Number of Deaths.	Per Cent to Deaths at All Ages.	Number of Deaths.	Per Cent to Deaths at All Ages.	Number of Deaths.	Per Cent to Deaths at All Ages.
STATE..... ^b	Total.....	12,576	483	3.84	1,334	10.61	5,121	40.73
	Males.....	6,756	228	3.37	771	11.41	2,798	41.42
	Females.....	5,761	255	4.43	563	9.77	2,281	39.59
	Unknown.....	59	-----	-----	-----	-----	42	71.19
Upper-peninsular.....	Total.....	675	16	2.37	22	3.26	380	56.30
	Males.....	283	7	1.83	12	3.13	201	52.46
	Females.....	281	9	3.20	10	3.56	175	62.26
	Unknown.....	11	-----	-----	-----	-----	4	36.36
Northwestern.....	Total.....	218	7	3.24	9	4.17	107	49.54
	Males.....	120	4	3.33	5	4.17	60	50.00
	Females.....	96	3	3.13	4	4.17	47	48.96
	Unknown.....	148	3	2.03	10	6.76	94	56.76
Northern.....	Total.....	83	2	2.44	6	7.32	51	62.50
	Males.....	64	1	1.56	4	6.25	31	48.44
	Females.....	64	1	1.56	4	6.25	31	48.44
	Unknown.....	2	-----	-----	-----	-----	2	100.00
Northeastern.....	Total.....	108	2	1.85	4	3.70	58	53.70
	Males.....	59	1	1.69	2	3.39	28	64.41
	Females.....	49	1	2.04	2	4.08	20	40.82
	Unknown.....	1,286	52	4.04	112	8.71	625	49.02
Western.....	Total.....	697	29	4.16	69	9.90	353	50.65
	Males.....	583	23	3.95	43	7.33	266	45.63
	Females.....	583	23	3.95	43	7.33	266	45.63
	Unknown.....	6	-----	-----	-----	-----	6	100.00
Northern-central.....	Total.....	187	1	.53	8	4.28	90	48.13
	Males.....	91	-----	-----	6	6.59	45	49.45
	Females.....	96	1	1.04	2	2.08	45	46.88
	Unknown.....	1,620	61	3.77	125	7.72	775	47.84
Bay and Eastern.....	Total.....	833	32	3.84	77	9.24	402	48.26
	Males.....	772	29	3.76	48	6.22	359	46.50
	Females.....	772	29	3.76	48	6.22	359	46.50
	Unknown.....	15	-----	-----	-----	-----	14	93.33

^a For counties included in each Division, see page 168.

^b For counties and townships from which no returns of deaths in 1876 were received, see Exhibit H, page 141; for those in which no deaths occurred, see Exhibit I, page 142.

TABLE XXVI.—CONTINUED.

GEOGRAPHICAL DIVISIONS.*	SEX.	Deaths At All Ages, 1876.	OLD AGE.		AGED 70 AND OVER.		AGED UNDER 5.	
			Number of Deaths.	Per Cent to Deaths at All Ages	Number of Deaths.	Per Cent to Deaths at All Ages.	Number of Deaths.	Per Cent to Deaths at All Ages.
Central	Total	1,948	83	4.26	253	12.99	764	36.14
	Males	1,016	42	4.13	140	13.78	378	37.20
	Females	922	41	4.45	113	12.15	317	34.38
	Unknown	10					9	90.00
Southwestern	Total	1,091	33	3.03	122	11.18	394	36.11
	Males	577	11	1.91	63	10.92	222	38.47
	Females	514	22	4.28	59	11.48	172	33.46
Southern-central	Total	2,331	108	4.63	352	15.10	698	29.94
	Males	1,232	43	3.49	204	16.56	377	30.60
	Females	1,095	65	5.94	148	13.52	318	29.04
	Unknown	4					3	75.00
Southeastern	Total	2,968	117	3.94	317	10.69	1,206	40.66
	Males	1,668	57	3.42	187	11.22	671	40.28
	Females	1,280	60	4.65	130	10.09	531	41.19
	Unknown	11					4	36.36

* For counties included in each Division, see page 168.

TABLE XXVII.—*Exhibiting for the State and Counties of Michigan, the Number of Deaths Returned as having occurred at All Ages, from Old Age, of All Aged 70 and Over, and of All Aged under 5; also the Per Cent of Deaths from Old Age, of All Aged 70 and Over, and of All Aged under 5, to Deaths at all Ages, for the Year 1876.*

STATE AND COUNTIES.	ALL AGES.	OLD AGE.		AGED 70 AND OVER.		AGED UNDER 5.	
	Number of Deaths, 1876.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.
STATE.....	12,576	483	3.84	1,334	10.61	5,121	40.73
Alcona.....	8					2	25.00
Allegan.....	311	15	4.82	35	11.25	116	37.30
Alpena.....	43					24	55.81
Antrim.....	19					14	73.68
Baraga.....	27	1	3.70	1	3.70	13	48.15
Barry.....	196	7	3.57	23	11.73	66	33.67
Bay.....	267	4	1.56	9	3.80	153	56.14
Benzie.....	26	2	7.69	3	11.54	10	38.46
Berrien.....	335	10	2.99	33	9.55	130	38.81
Branch.....	309	9	2.91	37	11.97	93	30.19
Calhoun.....	238	10	4.20	34	14.29	50	21.01
Cass.....	189	2	1.06	25	13.23	68	35.98
Charlevoix.....	33			3	9.09	16	48.48
Cheboygan.....	14	2	14.29	3	21.43	4	28.57
Chippewa.....	31			2	6.45	14	45.16
Clare.....	16					10	62.50
Clinton.....	187	3	1.60	19	10.16	75	40.11
Delta.....	88	2	5.26	4	10.53	18	47.37
Eaton.....	236	10	4.24	33	13.98	83	35.17
Emmet.....	65	1	1.54	4	6.15	38	58.46
Genesee.....	255	15	5.88	44	17.25	86	33.73
Gladwin.....	1					1	100.00
Grand Traverse.....	45	1	2.22	2	4.44	19	42.22
Gratiot.....	89		3.37	8	8.99	44	49.44
Hillsdale.....	213	8	3.76	31	14.55	61	28.64
Houghton.....	183					129	70.49
Huron.....	82	3	3.66	8	9.76	39	47.56
Ingham.....	255	16	6.27	35	13.73	85	33.33
Ionia.....	231	12	5.19	32	13.85	81	35.06
Iosco.....	40	2	5.00	4	10.00	21	52.50
Isabella.....	84	1	1.19	4	4.76	41	48.81
Isle Royal.....	5						
Jackson.....	331	19	5.74	41	12.39	124	37.46
Kalamazoo.....	324	15	4.63	47	14.51	94	29.01
Kalamazoo.....	13					11	84.62
Kent.....	612	27	4.41	57	9.31	299	48.86
Keweenaw.....	74	1	1.35	2	2.70	41	55.41
Lake.....	13	2	15.38	2	15.38	6	46.15

* For townships not represented by returns of deaths in 1876, see Exhibit H, page 141.

† No returns of deaths to county clerk.

TABLE XXVII.—CONTINUED.

COUNTIES.	ALL AGES.	OLD AGE.		AGED 70 AND OVER.		AGED UNDER 5.	
	Number of Deaths, 1876.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.
Lapeer.....	173	10	5.78	18	10.40	74	42.77
Leelanaw.....	40	1	2.50	1	2.50	16	40.00
Lenawee.....	385	18	4.56	59	14.94	117	29.62
Livingston.....	158	4	2.53	28	17.72	48	30.38
Mackinac.....	23	1	4.35	1	4.35	4	17.39
Macomb.....	260	12	4.62	55	21.15	86	33.06
Manistee.....	74	2	2.70	2	2.70	47	63.51
Manitou..... ^a	3					2	66.67
Marquette.....	250	9	3.60	9	3.60	134	53.60
Mason.....	63	3	4.76	6	9.52	30	47.62
Mecosta..... ^a	46			2	4.35	16	34.78
Menominee.....	20	1	5.00	1	5.00	13	65.00
Midland.....	40			2	5.00	22	55.00
Missaukee.....	5						
Monroe..... ^a	196	10	5.10	38	19.39	63	32.14
Montcalm..... ^a	152	4	2.63	8	4.26	74	48.68
Muskegon.....	120	1	.83	5	4.17	64	53.33
Newaygo..... ^a	68	3	4.41	5	7.35	31	45.59
Oakland..... ^a	268	17	6.34	44	16.42	64	23.88
Oceana.....	83			6	7.23	37	44.58
Ogemaw..... ^a	4					3	75.00
Ontonagon.....	24	1	4.17	2	8.33	14	58.33
Osceola.....	68	4	5.88	7	10.29	34	50.00
Otsego..... ^a	4					1	25.00
Ottawa.....	259	12	4.63	24	9.27	124	47.88
Presque Isle..... ^a	13					8	61.54
Roscommon..... ^b							
Saginaw.....	503	20	3.98	32	6.36	244	48.51
Sanilac.....	144	3	2.08	13	9.03	83	57.64
Schoolcraft..... ^b							
Shiawassee.....	189	9	4.76	23	12.17	62	32.80
St. Clair.....	336	21	6.25	39	11.61	135	40.18
St. Joseph.....	219	11	5.02	45	20.55	75	34.25
Tuscola.....	125			6	4.80	48	38.40
Van Buren.....	256	6	2.31	30	11.72	80	31.25
Washtenaw.....	302	18	5.96	58	19.21	84	27.81
Wayne.....	2,242	78	3.48	180	8.03	993	44.23
Wexford..... ^a	23	1	4.35	1	4.35	13	56.52

^a For townships not represented by returns of deaths in 1876, see Exhibit H, page 141.^b No returns of deaths to county clerk.

TABLE XXVIII.—Exhibiting for the Year and Months, by Sex, the Conjugal Condition, Occupation, and Age in Periods of Years, of All Returned as having Died from Consumption in Michigan during the Year ending December 31, 1876.

MONTHS, 1876.												SEX AND OCCUPATION.	AGES IN PERIODS OF YEARS, — 1876.																					
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.		Unknown.	Year, 1876.	CONJUGAL CONDITION.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.	
80	115	110	140	153	137	136	124	155	143	125	139	3	1,500	Total.....	92	20	41	163	199	195	141	116	87	102	78	86	71	55	57	43	15	24	—	
43	61	74	67	73	75	65	63	76	80	80	82	2	846	Married....	—	—	—	14	77	118	99	59	72	80	61	45	3	36	31	54	6	11	—	
28	42	54	57	61	49	57	48	62	43	32	41	1	575	Single.....	92	30	30	151	114	68	34	11	7	11	5	4	2	5	2	8	—	7	—	
7	9	7	10	12	9	9	10	13	13	7	14	..	130	Widowed..	—	—	—	—	1	4	0	3	4	9	9	12	15	12	21	15	—	—	—	
2	3	5	6	2	4	5	3	4	7	6	2	..	49	Unknown..	—	—	2	3	7	5	2	8	4	2	3	5	1	2	3	1	—	6	—	
43	69	76	85	89	76	72	64	79	84	69	82	2	890	Total.....	46	13	31	124	135	111	83	67	46	44	42	40	36	30	20	1	9	14	—	
26	41	43	40	46	39	29	31	39	53	43	50	2	482	Married....	—	—	—	13	64	81	67	59	40	32	31	31	18	18	10	0	3	8	—	
13	20	26	37	36	28	35	27	35	24	19	19	..	319	Single.....	46	13	30	108	66	21	11	4	2	4	3	...	2	1	1	—	4	—	—	
2	7	6	7	7	7	7	5	4	5	4	12	..	73	Widowed..	—	—	—	—	1	8	6	3	3	6	7	6	8	5	9	11	6	—	—	
2	1	1	1	....	2	1	1	1	2	3	1	..	16	Unknown..	—	—	1	3	4	.....	.....	1	1	2	1	...	...	...	...	1	2	—	—
37	46	64	55	64	61	64	60	76	59	56	57	1	700	Total.....	46	7	10	44	64	84	58	49	41	53	36	46	45	35	7	24	6	10	—	
17	20	31	27	32	36	36	32	37	27	37	32	..	364	Married....	—	—	—	1	13	34	32	40	32	43	30	31	35	23	21	18	3	8	—	
15	22	28	20	25	21	22	21	27	19	13	22	1	256	Single.....	46	7	9	43	48	44	23	7	5	7	2	4	2	3	1	2	...	3	—	—
5	2	1	3	5	2	2	5	9	8	3	2	..	47	Widowed..	—	—	—	—	—	1	1	1	1	1	8	6	7	12	4	8	...	—	—	
..	2	4	5	2	2	4	2	3	5	3	1	..	33	Unknown..	—	—	1	.....	3	5	2	2	3	.....	2	5	1	2	3	...	4	—	—
12	1	21	23	21	19	18	16	17	16	17	23	1	230	Total.....	—	—	10	17	36	32	23	17	12	10	13	9	6	9	4	3	4	7	—	—
5	6	9	10	10	1	5	4	7	6	7	8	1	79	Married....	—	—	—	1	10	12	12	10	5	8	6	2	2	...	2	1	2	—	—	
5	7	9	9	8	14	8	9	6	8	7	12	..	97	Single.....	—	—	10	15	32	17	7	3	1	2	5	...	1	3	...	1	...	1	—	
1	1	....	....	1	1	1	1	1	1	2	3	..	14	Widowed..	—	—	—	—	1	.....	1	.....	1	.....	.....	3	3	2	...	3	...	—	—
1	3	3	4	3	3	4	2	3	5	1	80	Unknown..	—	—	2	8	4	4	1	1	1	2	2	1	1	2	1	1	1	4	—	—

CAUSES OF DEATHS,--CONSUMPTION.

297

100	12	13	16	17	15	10	11	13	9	14	17	1	187 Total	Occupations	Unknown	Females	Occupations	Unknown	Males	All Specified	Occupations	Total	Specified	Occupations	Females	(Class XII)	Specified	Occupations	Males	(Classes I.-XI.)	{	7 12	31	28	18	16	10	6	7	6	5	8	2	5	4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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TABLE XXVIII.—CONTINUED.—Deaths from Consumption, 1876.

MONTHS, 1876.												AGES IN PERIODS OF YEARS,—1876.															
YEAR, 1876.												SEX AND OCCUPATION.															
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CAUSES OF DEATHS,—CONSUMPTION.

299

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-	-	1	1	-	-	-	-	-	-	1	-	3 Unknown..	-	1	-	-	-	-	1	1
3	1	2	1	3	1	-	3	4	2	-	1	20 Total.....	1	3	1	3	1	4	1	2
1	1	1	-	-	2	1	-	1	1	-	1	9 Married....	-	-	-	-	-	-	-	-
-	-	1	-	-	-	-	2	3	1	-	-	7 Single.....	1	3	-	2	-	-	1	1
1	-	-	1	-	1	-	1	-	-	-	-	3 Widowed..	-	-	-	-	-	-	-	-
-	-	1	-	-	-	-	-	-	-	-	-	1 Unknown..	-	-	-	1	-	-	1	3
1	1	-	-	-	-	-	2	-	1	-	-	4 Total.....	-	2	-	-	1	-	-	1
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Labors—No Special Trades.

CLASS VI.

Agents, Laborers Abroad, Etc.

CLASS VII.

Seafaring Men.

CLASS VIII.

Soldiers.

CLASS IX.

Business Men.

CLASS X.

Professional Men.

CLASS XI.

Unemployed.

CAUSES OF DEATHS,—CONSUMPTION.

[illegible]

CAUSES OF DEATHS,—CONSUMPTION.

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CAUSES OF DEATHS,—CONSUMPTION.

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CAUSES OF DEATHS,—CONSUMPTION.

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CAUSES OF DEATHS,—CONSUMPTION.

309

2	Widowed....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
1	Unknown....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
1	Married....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
209	Total.....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
157	Married....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
27	Single.....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
23	Widowed....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
2	Unknown....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
103	Total.....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
114	Married....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
4	Single.....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
16	Widowed....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
1	Unknown....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
20	Total.....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
2	Married....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
17	Single.....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
1	Widowed....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
1	Widowed....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
7	Total.....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
3	Married....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
8	Single.....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
1	Widowed....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
1	Married....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
1	Widowed....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
1	Single.....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2
2	Single.....	1	17	25	30	21	21	20	17	13	10	8	7	9	7	1	2

1876—39

EXHIBIT Q.—*The Average Age of the Inhabitants of Michigan, of both Sexes, of each Sex, and the difference between the Sexes, for All Living June 1, 1870, and All Returned as having Died during the Year ending June 1, 1870, as Compiled from the U. S. Census of that date; for All Returned as having Died from Consumption during the Years 1870 to 1876, inclusive; for All Returned as having Died from All Causes during the Years 1870 to 1876, inclusive, as shown by the Registration Returns; for All Living Aged 20 and Over as per Census June 1, 1870; for All Aged 20 and Over whose Ages and Occupations were stated in the Registration Returns of Deaths for the Years 1870 to 1876, inclusive, and for the Native and Foreign-born Inhabitants Returned as having Died during the Years 1873, 1874, 1875, and 1876.*

	YEAR ENDING:	AVERAGE AGE IN YEARS AND HUNDREDTHS OF A YEAR.			
		Total.	Males.	Fe- males.	Excess, Males.
Deaths as per Census.....	June 1, 1870.	24.79	25.17	24.39	.78
Living as per Census.....		24.82	24.91	24.68	1.23
All living aged 20 and over, per Census.....		33.23	33.61	37.50	.81
Deaths as shown by Registration Returns.....	Dec. 31, 1870.	23.50	24.05	22.89	1.16
Deaths from Consumption by Registration Returns...		34.95	36.89	33.14	3.75
All aged 20 and over whose occupations were stated in Registration Returns of Deaths.....		51.01	52.45	48.96	3.49
"Average years of life" after the age of 20 years as shown by Table VII., page 197, Report for 1872, plus 20 years,—indicating the "Average Age at Death" of all who died aged 20 years and over according to that Life Table.....			63.72	62.02	1.70
Deaths as shown by Registration Returns.....	Dec. 31, 1871.	25.63	26.78	24.50	2.28
All aged 20 and over whose occupations were stated in Registration Returns of Deaths.....		51.44	52.79	46.45	6.34
Deaths as shown by Registration Returns.....	Dec. 31, 1872.	24.17	25.09	23.17	1.92
Deaths from Consumption by Registration Returns...		35.05	39.10	31.19	7.91
All aged 20 and over whose occupations were stated in Registration Returns of Deaths.....		50.73	51.90	47.08	4.82
All who died aged 20 years and over, as shown by Regis- tration Returns.....		49.72	51.67	47.42	4.25
Deaths as shown by Registration Returns.....	Dec. 31, 1873.	31.20	31.95	30.14	1.81
Deaths of Native-born Inhabitants as shown by Regis- tration Returns.....		27.25	27.76	26.71	1.05
Deaths of Foreign-born Inhabitants as shown by Regis- tration Returns.....		43.87	40.68	42.35	-1.67
Deaths from Consumption by Registration Returns...		37.81	40.20	35.77	4.43
All aged 20 and over whose occupations were stated in Registration Returns of Deaths.....		50.17	56.51	48.27	8.24
All who died aged 20 years and over, as shown by Regis- tration Returns.....		49.67	51.48	47.66	3.82
Deaths as shown by Registration Returns.....	Dec. 31, 1874.	25.33	25.78	24.09	.69
Deaths of Native-born Inhabitants as shown by Regis- tration Returns.....		20.26	23.99	20.25	3.74
Deaths of Foreign-born Inhabitants as shown by Regis- tration Returns.....		47.15	47.99	46.18	1.86
Deaths from Consumption by Registration Returns...		36.43	39.90	33.44	6.46
All aged 20 and over whose occupations were stated in Registration Returns of Deaths.....		50.77	52.70	48.23	4.47
All who died aged 20 years and over, as shown by Regis- tration Returns.....		50.89	52.84	48.72	4.12
Deaths as shown by Registration Returns.....	Dec. 31, 1875.	25.32	26.31	24.36	1.95
Deaths of Native-born Inhabitants, as shown by Reg- istration Returns.....		20.17	20.73	19.88	.85
Deaths of Foreign-born Inhabitants, as shown by Reg- istration Returns.....		46.90	48.68	44.49	4.19
Deaths from Consumption by Registration Returns...		35.77	38.19	33.58	4.61
All aged 20 and over whose occupations were stated in Registration Returns of Deaths.....		51.07	53.29	47.87	5.42
All who died aged 20 years and over as shown by Regis- tration Returns.....		50.65	52.79	48.06	4.73
Deaths of Native-born Inhabitants aged 20 years and over as shown by Registration Returns.....		50.68	53.86	47.61	6.25
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns.....		50.77	52.37	48.54	3.83

EXHIBIT Q.—CONTINUED.

	YEAR ENDING:	AVERAGE AGE IN YEARS AND HUNDREDTHS OF A YEAR.			
		Total.	Males.	Fe- males.	Excess. Males.
Deaths as shown by Registration Returns.....	Dec. 31, 1876.	25.83	26.79	25.04	1.75
Deaths of Native-born Inhabitants as shown by Regis- tration Returns.....		20.86	21.34	20.60	.74
Deaths of Foreign-born Inhabitants as shown by Regis- tration Returns.....		47.33	48.91	46.68	2.23
Deaths from Consumption by Registration Returns.....		35.70	40.20	33.40	6.80
All aged 20 and over whose occupations were stated in Registration Returns of Deaths.....		51.93	54.00	49.89	4.11
All who died aged 20 years and over as shown by Regis- tration Returns.....		51.94	53.91	49.88	4.03
Deaths of Native-born Inhabitants aged 20 years and over as shown by Registration Returns.....		51.09	54.46	48.92	5.54
Deaths of Foreign-born Inhabitants aged 20 years and over as shown by Registration Returns.....		52.25	53.70	51.96	1.74

TABLE XXIX.—*Exhibiting the Number and the Aggregate and Average Ages of All Decedents in Michigan Aged Twenty Years and Over, and of those whose Occupations were not Specified; also, by Classified Occupations, the Number and the Aggregate and Average Ages of Decedents, Aged Twenty Years and Over whose Occupations were Returned, One-half of a Year being added to Age of each Person in place of Months and Days excluded.*

CLASS.	OCCUPATIONS,—1876.	Number of Persons.	AGE IN YEARS.	
			Aggregate.	Average.
	ALL AGED 20 YEARS AND OVER.....	6,043	313,933.50	51.93
	ALL SPECIFIED OCCUPATIONS.....	5,429	282,539.50	52.04
	OCCUPATIONS UNSPECIFIED AGED 20 YEARS AND OVER...	614	31,394.00	50.97
I.	CULTIVATORS OF THE EARTH.....	1,478	86,406.50	58.46
II.	ACTIVE MECHANICS ABROAD.....	149	7,869.50	52.82
III.	ACTIVE MECHANICS IN SHOPS.....	195	9,916.00	50.85
IV.	INACTIVE MECHANICS IN SHOPS.....	100	5,279.50	52.80
V.	LABORERS,—NO SPECIAL TRADES.....	402	17,965.00	44.69
VI.	AGENTS, LABORERS ABROAD, ETC.....	93	4,318.00	46.43
VII.	SEAFARING MEN.....	32	1,354.00	42.31
VIII.	SOLDIERS.....	4	197.00	49.25
IX.	BUSINESS MEN.....	194	9,234.00	47.60
X.	PROFESSIONAL MEN.....	87	4,908.50	56.42
XI.	UNEMPLOYED.....	106	6,024.00	55.78
XII.	FEMALES.....	2,587	129,067.50	49.89
I.	CULTIVATORS OF THE EARTH.....	1,478	86,406.50	58.46
	Farmers.....	1,445	84,595.00	58.54
	Farm Laborers.....	9	289.00	32.00

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1876.*

CLASS.	OCCUPATIONS,—1876.	Number of Persons.	AGE IN YEARS.	
			Aggregate.	Average.
I.	CULTIVATORS OF THE EARTH—(Continued).			
	Fruit-growers	1	62.50	62.50
	Gardeners.....	12	713.00	59.42
	Nurserymen.....	2	79.00	39.50
	Retired Farmers.....	9	669.00	74.33
II.	ACTIVE MECHANICS ABROAD.....	149	7,869.50	52.82
	Brick-masons	3	118.00	39.33
	Boat-builders.....	1	40.50	40.50
	Builders	1	64.50	64.50
	Carpenters.....	100	5,216.00	52.16
	Carpenters and Joiners.....	4	271.00	67.75
	Caulkers.....	1	66.50	66.50
	Joiners.....	2	134.00	67.00
	Masons.....	18	1,076.00	59.78
	Painters.....	15	645.00	43.00
	Shipwrights	1	91.50	91.50
	Shipriggers.....	1	39.50	39.50
	Stone-masons	2	106.00	53.00
III.	ACTIVE MECHANICS IN SHOPS.....	195	9,916.00	50.85
	Bakers.....	7	291.00	41.57
	Basket-makers.....	2	116.00	58.00
	Blacksmiths.....	32	1,698.00	53.06
	Brass-finishers.....	1	27.50	27.50
	Brewers.....	4	242.00	60.50
	Brick-makers.....	2	104.00	52.00
	Boiler-makers.....	1	24.50	24.50
	Cabinet-makers.....	7	393.00	55.43
	Carriage-makers.....	3	139.00	46.33
	Carvers.....	1	81.50	81.50
	Coopers.....	17	997.00	58.65
	Curriers.....	2	113.00	56.50
	Distillers.....	1	61.50	61.50
	Engineers.....	11	435.00	39.55
	Filers.....	1	37.50	37.50
	Gilders	1	21.50	21.50
	Glass-blowers.....	1	30.50	30.50
	Machinists.....	12	515.00	42.92

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1876.*

CLASS.	OCCUPATIONS,—1876.	Number of Persons.	AGE IN YEARS.	
			Aggregate.	Average.
III.	ACTIVE MECHANICS IN SHOPS—(Continued).			
	Maltsmen.....	1	47.50	47.50
	Marble-cutters.....	1	26.50	26.50
	Mechanics.....	15	811.00	54.07
	Millers.....	13	646.00	49.69
	Millwrights.....	5	322.00	64.40
	Moulders.....	8	336.00	42.00
	Paper-makers.....	1	41.50	41.50
	Plumbers.....	3	128.00	42.67
	Potters.....	2	156.00	78.00
	Sawyers.....	8	300.00	37.50
	Stone-cutters.....	1	43.50	43.50
	Tanners.....	2	111.00	55.50
	Tinners.....	2	50.00	25.00
	Tinkers.....	1	65.50	65.50
	Trunk-makers.....	3	123.00	41.00
	Turners.....	3	107.00	35.67
	Upholsterers.....	1	23.50	23.50
	Wagon-makers.....	13	837.00	64.38
	Weavers.....	1	82.50	82.50
	Wheelwrights.....	3	179.00	59.67
	Whitewashers.....	1	71.50	71.50
	Woolcarders.....	1	75.50	75.50
IV.	INACTIVE MECHANICS IN SHOPS.....	100	5,279.50	52.80
	Barbers.....	8	410.00	51.25
	Book-binders.....	2	80.00	40.00
	Cigar-makers.....	4	136.00	34.00
	Harness-makers.....	8	347.00	43.38
	Jewelers.....	11	490.00	44.55
	Printers.....	5	192.00	38.40
	Saddlers.....	2	112.00	56.00
	Sail-makers.....	1	31.50	31.50
	Shoe-cutters.....	1	57.50	57.50
	Shoemakers.....	36	2,307.00	64.08
	Stewards.....	1	56.50	56.50
	Tailors.....	17	866.00	50.94
	Telegraphers.....	4	112.00	28.25

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1876.*

CLASS.	OCCUPATIONS,—1876.	Number of Persons.	AGE IN YEARS.	
			Aggregate.	Average.
V.	LABORERS—NO SPECIAL TRADES.....	402	17,965.00	44.69
	Ditchers.....	1	80.50	80.50
	Drawing Logs.....	1	22.50	22.50
	Firemen.....	2	91.00	45.50
	Housekeepers.....	2	75.00	37.50
	Laborers.....	335	15,293.00	45.65
	Mill-hands.....	2	63.00	31.50
	Miners.....	48	1,817.00	37.85
	Miscellaneous.....	2	110.00	70.00
	Porters.....	1	28.50	28.50
	R. R. Laborers.....	1	44.50	44.50
	Salt Packers.....	1	70.50	70.50
	Salt-well Borers.....	1	26.50	26.50
	Servants.....	3	127.00	42.33
	Truckmen.....	2	86.00	43.00
VI.	AGENTS, LABORERS ABROAD, ETC.....	93	4,318.00	46.43
	Agents.....	5	287.00	57.40
	Beer Peddlers.....	1	26.50	26.50
	Brakemen.....	3	81.00	27.00
	Butchers.....	12	604.00	50.33
	Cartmen.....	1	73.50	73.50
	Cattle Drivers.....	3	132.00	44.00
	Commercial Agents.....	1	42.50	42.50
	Constables.....	1	43.50	43.50
	Dairymen.....	1	76.50	76.50
	Divers.....	1	52.50	52.50
	Draymen.....	7	340.00	48.57
	Farriers.....	2	120.00	60.00
	Fast-horse Men.....	1	37.50	37.50
	Horse Dealers.....	1	41.50	41.50
	Hostlers.....	1	46.50	46.50
	Hunters.....	1	40.50	40.50
	Light-keepers.....	1	38.50	38.50
	Livery-keepers.....	1	43.50	43.50
	Lumbermen.....	23	1,108.00	50.35
	Mail Carriers.....	1	25.50	25.50
	Mining Captains.....	1	46.50	46.50

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1876.*

CLASS.	OCCUPATIONS,—1876.	Number of Persons.	AGE IN YEARS.	
			Aggregate.	Average.
VI.	AGENTS, LABORERS ABROAD, ETC.—(Continued).			
	Musicians	3	189.00	46.33
	Patent-right Agents	1	35.50	35.50
	Peddlers	7	326.00	46.57
	R. R. Conductors	2	59.00	29.50
	R. R. Employes	1	29.50	29.50
	R. R. Engineers	1	30.50	30.50
	R. R. Baggage-men	2	74.00	37.00
	Reporters	1	33.50	33.50
	Teamsters	5	217.00	43.40
	Toll-gate Keepers	1	37.50	37.50
	Training Horses	1	24.50	24.50
VII.	SEAFARING MEN	32	1,354.00	42.31
	Fishermen	7	353.00	50.43
	Sailors	23	946.00	41.13
	Sea Captains	1	26.50	26.50
	Wheelsmen	1	28.50	28.50
VIII.	SOLDIERS	4	197.00	49.25
	Soldiers	4	197.00	49.25
IX.	BUSINESS MEN	194	9,234.00	47.60
	Bankers	1	74.50	74.50
	Boarding-house Keepers	3	160.00	53.33
	Book-keepers	5	247.00	49.40
	Capitalists	2	137.00	68.50
	Cattle Dealers	1	49.50	49.50
	Clerks	21	667.00	31.76
	Clothiers	2	138.00	69.00
	Collectors	1	41.50	41.50
	Contractors	2	106.00	52.50
	County Clerks	1	34.50	34.50
	Custom-house Officers	1	60.50	60.50
	Dealers	1	55.50	55.50
	Druggists	7	299.00	42.71
	Estate Agents	1	51.50	51.50
	Express Messengers	2	63.00	31.50
	Fish Culturists	1	63.00	63.00

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1876.*

CLASS.	OCCUPATIONS,—1876.	Number of Persons.	AGE IN YEARS.	
			Aggregate.	Average.
IX.	BUSINESS MEN—(Continued).			
	Fur Dealers.....	2	113.00	56.50
	Grocers.....	12	497.00	41.42
	Hatters.....	3	122.00	40.67
	Hotel Clerks.....	2	61.00	30.50
	Hotel-keepers.....	15	799.00	53.27
	Insurance Agents.....	3	183.00	61.00
	Justices of Peace.....	1	70.50	70.50
	Land Dealers.....	1	59.50	59.50
	Landlords.....	1	50.50	50.50
	Liquor Dealers.....	1	69.50	69.50
	Manufacturers.....	1	53.50	53.50
	Merchants.....	59	3,040.00	51.53
	Patent Office.....	1	35.50	35.50
	Photographers.....	1	40.50	40.50
	Politicians.....	1	54.50	54.50
	Postmasters.....	2	75.00	37.50
	Potash Men.....	1	30.50	30.50
	Prescription Clerks.....	1	25.50	25.50
	Public Officers.....	1	53.50	53.50
	Railroad Auditors.....	1	52.50	52.50
	Railroad Contractors.....	1	62.50	62.50
	Railroad Paymasters.....	1	54.50	54.50
	Real Estate Owners.....	1	62.50	62.50
	Restaurant-keepers.....	1	55.50	55.50
	Retired Business Men.....	1	55.50	55.50
	Retired Merchants.....	1	63.50	63.50
	Saloon-keepers.....	16	655.00	40.94
	Salesmen.....	2	68.00	34.00
	Saw-mill Owners.....	1	62.50	62.50
	Shippers.....	1	73.50	73.50
	Stock Brokers.....	1	68.50	68.50
	Store-keepers.....	2	69.00	34.50
	Superintendent of Wagon-factory.....	1	47.50	47.50
	Superintendent of Gas-works.....	1	49.50	49.50
	Wood Merchant.....	1	48.50	48.50
X.	PROFESSIONAL MEN.....	87	4,906.50	56.43

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1876.*

CLASS.	OCCUPATIONS,—1876.	Number of Persons.	AGES IN YEARS.	
			Aggregate.	Average.
X.	PROFESSIONAL MEN—(Continued).			
	Actors.....	1	27.50	27.50
	Architects.....	1	26.50	26.50
	Artists.....	2	65.00	32.50
	Botanists.....	1	23.50	23.50
	Civil Engineers.....	1	56.50	56.50
	Dentists.....	2	77.00	38.50
	Editors.....	4	192.00	48.00
	Judges.....	1	36.50	36.50
	Lawyers.....	8	467.00	58.38
	Ministers.....	25	1,781.00	69.24
	Physicians.....	28	1,623.00	58.14
	Professors of Astronomy.....	1	70.50	70.50
	Retired Ministers.....	1	53.50	53.50
	Students.....	3	68.00	22.67
	Surveyors.....	2	157.00	78.50
	Teachers.....	6	222.00	38.17
XI.	UNEMPLOYED.....	108	6,094.00	55.78
	Beggars.....	1	70.50	70.50
	Gentlemen.....	5	323.00	64.60
	Paupers.....	10	540.00	54.00
	Pensioners of 1812.....	1	80.50	80.50
	Unemployed.....	91	5,010.00	55.05
	Unknown.....	224	12,130.00	54.15
XII.	FEMALES.....	2,587	129,067.50	49.89
	Agents.....	1	50.50	50.50
	Artists.....	1	23.50	23.50
	"At Home".....	3	162.00	54.00
	Basket-makers.....	2	58.00	29.00
	Blacksmiths' Wives.....	1	67.50	67.50
	Book keepers.....	1	76.50	76.50
	Brick-masons.....	1	54.50	54.50
	Butchers.....	1	20.50	20.50
	Butchers' Wives.....	1	40.50	40.50
	Carpenters.....	1	24.50	24.50
	Carpenters' Wives.....	2	82.00	41.00
	Carpeters.....	1	25.50	25.50

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1876.*

CLASS.	OCCUPATIONS,—1876.	Number of Persons.	AGES IN YEARS.	
			Aggregate.	Average.
XII.	FEMALES—(Continued).			
	Clerks.....	2	85.00	42.50
	Cooks.....	2	103.00	51.50
	Conductors.....	1	36.50	36.50
	Copyists.....	1	22.50	22.50
	Domestics.....	24	1,019.00	42.46
	Dressmakers.....	7	211.00	30.14
	Farmers.....	145	7,962.00	54.91
	Farmers' Daughters.....	7	167.00	23.86
	Farmers' Widows.....	2	160.00	80.00
	Farmers' Wives.....	114	6,669.00	49.73
	Fishermen.....	1	90.50	90.50
	Flower-growers.....	1	79.50	79.50
	Gilders.....	1	22.50	22.50
	Grocers.....	1	33.50	33.50
	Grooms.....	1	50.50	50.50
	Hotel-keepers.....	2	94.00	47.00
	Housekeepers.....	708	36,297.00	51.27
	Housemaids.....	7	296.00	42.29
	Housewives.....	664	31,641.00	47.65
	Houseworkers.....	61	3,157.00	51.75
	Jobbers' Wives.....	1	28.50	28.50
	Knitters.....	2	146.00	73.00
	Laborers.....	20	901.00	45.05
	Laborers' Wives.....	4	163.00	40.75
	Ladies.....	3	157.00	52.33
	Laundresses.....	3	194.00	64.67
	Manufacturers' Wives.....	1	66.50	66.50
	Mariners.....	1	49.50	49.50
	Merchants.....	3	109.00	36.33
	Merchants' Wives.....	3	164.00	54.67
	Midwives.....	1	65.50	65.50
	Milliners.....	5	160.00	32.00
	Millers' Wives.....	1	83.50	83.50
	Miners' Wives.....	1	40.50	40.50
	Ministers' Wives.....	1	39.50	39.50
	Moulders.....	1	53.50	53.50
	Music Teachers.....	4	98.00	24.80

TABLE XXIX.—CONTINUED.—*Occupation of Decedents in 1876.*

CLASS.	OCCUPATIONS,—1876.	Number of Persons.	AGES IN YEARS.	
			Aggregate.	Average.
XII.	FEMALES—(Continued).			
	Nurses.....	4	244.00	61.00
	Painters.....	2	94.00	47.00
	Painting China.....	1	75.50	75.50
	Paupers.....	5	304.00	60.80
	Physicians' Wives.....	1	77.50	77.50
	Prostitutes.....	2	48.00	24.00
	Scale-makers.....	1	61.50	61.50
	Seamstresses.....	21	865.00	41.21
	Servants.....	4	138.00	34.50
	Shoe-binders.....	1	26.50	26.50
	Spinsters.....	3	179.00	59.67
	Students.....	3	66.00	22.00
	Tailloresses.....	4	249.00	62.25
	Teachers.....	21	757.00	36.05
	Teamsters.....	1	28.50	28.50
	Telegraphers.....	1	24.50	24.50
	Unemployed.....	268	14,626.00	54.57
	Unknown.....	390	19,164.00	49.14
	Washers.....	1	72.50	72.50
	Weavers.....	13	911.00	70.08
	Wives.....	17	652.00	38.35

ALPHABETICAL INDEX.

A.

	PAGE.
Age, Average, of Decedents Aged 20 and Over, by Classified Occupations.....	313-321
Age, Average, of Persons Married in 1874-1876, by Nativity.....	86
Ages, Deaths by, by Months and by Sex.....	124-133
Ages, Deaths by, by Sex, and excess of the Sexes.....	119-120
Ages of Persons who Died, by Months of Death.....	120
Ages of Persons who Died in 1876.....	117-133
All Ages, Deaths from Old Age, Aged 70 and Over, and Under 5 Years, by Counties.....	294-295
All Causes, Consumption, Pneumonia, Typhoid Fever, Diarrhea, etc., by Counties.....	290-291
Austria, Inhabitants to One Marriage in.....	106
Average Age of Decedents Aged 20 and Over, by Occupation.....	313-321
Average Number of Deaths per Quarter, Month, Week, and Day.....	108
Average Number of Marriages, per Quarter, Month, Week, and Day.....	73
Average Ultimate Number of Children to a Mother.....	40-41

B.

Baker, Henry B., M. D., Superintendent of Vital Statistics of Michigan.....	x.
Bavaria, Inhabitants to One Marriage in.....	106
Belgium, Inhabitants to One Marriage in.....	106
Births, Corrected for Omissions in Enumerating.....	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 68
Births by Counties, by Color, by Sex, and Proportion of the Sexes.....	22-29
Births by Counties, Parent-Nativity, and Sex.....	32-39
Births, Deaths, and Excess of Births, by Months, for 1868-1876.....	xiv.
Births, Deaths, and Excess of Births by Parent-Nativity, for 1873-1876.....	xviii.
Births and Deaths, Returned, which Occurred out of Michigan.....	xix.
Births of Illegitimates, Proportion of to Total Births for 1869-1876.....	59
Births in 1876, Conceptions for, by Months.....	66-71
Births in 1876, Number and Proportion of, by Sex, by Parent-Nativity.....	30
Births, Males to 100 Females.....	22, 66, 67, 70, 71, 72
Births in Michigan during the Year 1875.....	xi-xvi, xviii, xx-xxiii, 1-72
Birth-Months Most Favorable to the Life of a Child.....	136
Births, by Months, Corrected for Omissions, for the years 1871-1876.....	5
Births, by Months Equalized, by Sex.....	66, 67
Births by Months, in Order greatest first, Number and proportion of, for 1873-1876.....	4
Births, Marriages, and Deaths for Certain Periods of Time.....	xiii.
Births, Marriages, Deaths, and Excess of Births over Deaths, 1868-1876.....	xi.
Births, Marriages, and Deaths in 1876, and Population in 1874, by Counties.....	xx-xxiii.
Births, Marriages, and Deaths, Relations of,.....	xiv-xvi.
Births, Marriages, and Deaths, Statements Concerning.....	xii.
Births by Parent-Nativity.....	30-39, 72
Births, Per Cent added, to correct for Omissions in Enumerating.....	1, 2
Births, Per Cent of, as Returned and as Corrected for Omissions, for each of the years 1871-8.....	1
Births, Per Cent Returned of those which probably Occurred.....	1, 2
Births per Quarter, Month, Week, and Day, as Returned and as Corrected.....	2
Births by Quarters, for the Years 1872-1876, as Returned and as Corrected.....	3
Births by Race or Color, Influence of Sex upon, etc.....	30-31

	PAGE
Birth-rate, large, Coincident with large Proportion of Females.....	20-21
Births, Relation of, to Marriages in Months of their Conceptions.....	11, 12
Births as Returned and as Corrected, Per Cent of, to Inhabitants.....	2
Births,—Sex of Children.....	65-72
Bowels, Brain, Heart, Throat, and Lungs, Diseases of.....	166-167
Brain, Bowels, Heart, Throat, and Lungs, Diseases of.....	166-167
Brides and Bridegrooms, Proportion of, by Periods of Age.....	97

C.

Cancer, Deaths from, in 1876.....	207, 248-253
Cancer, Excess of Deaths of Females from, in each of the Years 1869-1876.....	252
Casualty, Deaths from.....	208, 245
Causes of Deaths in 1876.....	162-322
Causes of Deaths, Classified.....	170-199
Causes of Deaths, Dr. Farr's Classification.....	163-166, 169-199
Causes of Deaths in 1876, Fifteen Principal.....	243-249
Causes of Deaths, Five Groups of.....	166-167
Causes of Deaths, Specified, by Months, Sex, and Periods of Age.....	200-244
Cephalitis, Deaths from, in 1876.....	206, 248-251, 253
Cerebro-spinal Meningitis, Deaths from, in 1876.....	175, 229, 267-268
Children Born in 1875—Died Aged under One Year.....	133
Children to a Mother, Average Ultimate Number of.....	40-41
Classes, Deaths by, by Geographical Divisions of the State.....	169
Classified Causes of Deaths, by Counties.....	162-166, 169-199
Classified Occupations of Decedents, Aged 20 and Over, Average Age, etc.....	313-321
Color, Deaths by, by Counties.....	157-159
Color, Deaths by, by Sex.....	156
Color of Illegitimate Children, by Sex.....	61
Color of Inhabitants, not provided for in State Census Law.....	156
Color of Decedents in Michigan, in 1876.....	156-159
Color of Persons Married.....	81-84
Color, Marriages by, by Counties.....	82-84
Color or Race, Births by.....	21
Comparative Natural Increase of Native and Foreign-born Inhabitants, 1873-1876.....	xviii.
Congestive Chills, Deaths from, in 1876.....	209, 268-269
Conceptions for Births in 1876, by Months.....	66-71
Consumption, Deaths from, in 1876.....	174, 210, 248, 249, 278, 279, 286-291, 296-311
Consumption, Occupation of Decedents from, by Sex, Months, Periods of Age, etc.....	296-311
Consumption, More Deaths from, in 1876, than for any Previous year.....	278
Consumption and Pneumonia, Correlation of.....	286, 287
Consumption, Pneumonia, Typhoid Fever, etc., by Geographical Divisions.....	286-289
Consumption, Pneumonia, Typhoid Fever, Diarrhea, etc., by Counties.....	290-291
Correlation of Consumption and Pneumonia.....	286, 287
Corrections for Omissions in the Enumeration of Deaths.....	113, 117
Counties, Deaths by, by Color, by Sex.....	157-159
Counties, Causes of Deaths by, Classified.....	170-199
Counties, Deaths from Consumption, Pneumonia, Typhoid Fever, Diarrhea, etc., by.....	290-291
Counties, Deaths from Old Age, Aged 70 and Over, Under 5, etc., by.....	294-295
Counties and Months, Marriages by.....	79-80
Counties, Months, Periods of Age, and Sex, Deaths by.....	143-155
Counties, Months, and Sex, Births by.....	13-20
Counties, Parent-Nativity, and Sex, Births by.....	32-39
Counties, Parent-Nativity and Sex, Twin Births by.....	45-52
Counties and Townships from which no returns of Deaths for 1876 were received.....	141
Counties, Twins, Illegitimate, and Still-born Children by.....	62
Croup, Deaths from, in 1876.....	172, 211, 250-251, 264-265

D.

Day, Week, Month, Quarter, Average Number of Births per.....	2
Deaths Aged Under One Month, Relation of, to Births.....	139
Deaths, All Causes, Consumption, Pneumonia, Typhoid Fever, Diarrhea, etc., by Counties.....	290-291
Deaths, Average Number, Per Quarter, Month, Week, Day.....	108
Deaths, Births, and Marriages in 1876, and Population in 1874, by Counties.....	xx.-xxiii.
Deaths, Births, and Marriages, Relations of.....	xiv.-xvi.

ALPHABETICAL INDEX.

325

	PAGE.
Deaths, Births, Marriages, Statements Concerning.....	xii.
Deaths, Births, and Excess of Births, by Months, for 1868-1876.....	xiv.
Deaths and Births, Returned, which Occurred out of Michigan in 1876.....	xix.
Deaths from Casualty, Specified.....	245
Deaths of Centenarians.....	140
Deaths of Children Aged Under One Year, Born in 1875, by Months.....	137
Deaths, 1876, by Classes of Causes, by Divisions of the State.....	169
Deaths by Classes of Causes, by Months.....	165
Deaths by Classified Causes, by Counties.....	170-199
Deaths, in 1876, Compiled as Unknown.....	253
Deaths and Conceptions, Relation between, by Months.....	68, 69-71
Deaths from Consumption for each of the Years 1869-1876.....	278
Deaths from Consumption, by Occupation, Conjugal Condition, Sex, Months, etc.....	296-311
Deaths by Counties, Nativity, and Sex.....	160-162
Deaths by Counties, Months, Periods of Age, and by Sex.....	143-155
Deaths, Fifteen Principal Causes of, in 1876.....	248-249
Deaths, 1876, Grouped by Part of Body Diseased.....	166-167
Decedents and Inhabitants, Proportion of Native-born, for Seven Years.....	159
Deaths in 1873-1876, Number and Proportion of, by Months.....	109
Deaths, Marriages, and Births, for Certain Periods of Time.....	xiii.
Deaths in Michigan during the Year 1876.....	xi-xvi, xviii, xx-xxiii, 107-322
Deaths by Months, Corrected for Omissions in the Enumeration.....	112-114, 117
Deaths by Months, Sex, and Periods of Age, Specified, for 1869-1876.....	200-244
Deaths of Native and of Foreign-born Inhabitants.....	159-162
Deaths, Number and Per Cent of Each Class to Total, for 1873-1876.....	165
Deaths, Number and Per Cent of, by Quarters of the Years 1870-1876.....	109
Deaths, Number of, as Returned, and as Corrected for Omissions.....	107, 108
Deaths from Old Age, Aged 70 and Over, under 5, etc., by Geographical Divisions.....	292-293
Deaths by Periods of Age, by Months.....	121
Deaths, Per Cent by which they should be Increased to equal the No. which Probably Occurred.....	107
Deaths from Pneumonia for Each of the Years 1869-1876.....	279
Death-rate in Michigan.....	108
Death-rate in Michigan, Small, as Compared with Other States or Localities.....	ix.
Deaths at Reproductive Ages, Seem to have Little Influence upon the Birth-rate.....	xv.
Deaths as Returned, Corrected, Equalized, etc.....	113, 117
Deaths as Returned and as Corrected, Per Cent of, to Inhabitants in 1874.....	108
Deaths as Returned, Equalized, by Months.....	111
Deaths from Scarlet Fever for Each of the Years 1869-1876.....	277
Decedents Aged 20 and Over, by Occupations, Average Age, etc.....	313-321
Decedents and Inhabitants, Average Age of.....	312-313
Decedents by Occupation, Classified, Aggregate and Average Age of.....	313-321
Decedents from Old Age, Aged 70 and Over, under 5, etc., by Counties.....	294-295
Denmark, Inhabitants to One Marriage in.....	106
Detroit, Escanaba, Grand Haven, and Marquette, Meteorology at, in 1876.....	261
Diarrhea, Deaths from, in 1876.....	182, 212, 248-251, 272-275, 288-291
Diarrhea, Relation of, to Meteorological Conditions.....	272-274
Diarrhea, Typhoid Fever, Pneumonia, Consumption, etc., by Counties.....	290-291
Diarrhea, Typhoid Fever, Consumption, Pneumonia, etc., by Geographical Divisions.....	288-289
Diarrhea, Typhoid Fever, and Dysentery, Number and Per Cent of, by Geographical Divisions.....	275
Diagrammatic Table,—Deaths of Children under One Year of Age.....	134-135
Diagram No. 1,—Births in 1875 and 1876, and Marriages and Deaths in Months of Conceptions.....	xvii.
Diagram No. 2,—Marriages for 1871-1876, by Months, Corrected and Equalized.....	77
Diagram No. 3,—Deaths in 1876, and Average for 5 Years, ending with 1875, as Returned, Corrected, etc.....	116
Diagram No. 4,—Deaths in 1876, by Classes.....	164
Diagram No. 5,—Deaths from Five Groups of Causes, for 1869-1876.....	167
Diagram No. 6,—Average Temperature, by Months, for 1873, 1874, 1875, and 1876.....	255
Diagram No. 7,—Grains of Vapor in Cubic Foot of Air, by Months, for 1873-1876.....	257
Diagram No. 8,—Atmospheric Pressure, by Months, for the Years 1873-1876.....	258
Diagram No. 9,—Deaths from Pneumonia, 1873-1876, and Average for 6 Years.....	283

	PAGE.
Diagram No. 10,—Ozone—Day and Night Observations—by Months, for 1876.....	225
Diphtheria, Deaths from, in 1876.....	172, 212-213, 246-251, 255-257
Diphtheria, Mortality from, Constantly Increased since 1869.....	255

E.

Eleven Geographical Divisions of the State, Counties in Each.....	106
England, Inhabitants to One Marriage in.....	106
Escanaba, Grand Haven, Marquette, and Detroit, Mich., Meteorology at, in 1876.....	261
Exhibit A,—Births, Marriages, Deaths, and Excess of Births Over Deaths, 1868-1876.....	xi.
Exhibit A,—Births as Returned, by Months, Corrected, and Equalized to Population.....	6
Exhibit A,—Marriages as Returned, by Quarters, Number and Per Cent of, for 1870-1876.....	74
Exhibit A,—Deaths, by Months, and by Sex, Equalized, and Proportion of the Sexes.....	111
Exhibit B,—Statements Concerning Births, Marriages and Deaths.....	xii.
Exhibit B,—Births of Males by Months, Corrected, and Equalized to Population.....	7
Exhibit B,—Marriages Equalized by Months, Corrected up to April 1, 1878, for 1872-1876.....	76
Exhibit B,—Deaths, Months of, in Michigan, Massachusetts, and Rhode Island.....	112
Exhibit C,—Births, Corrected, Equalized, etc., and Marriages and Deaths in Months of Conception.....	xv.
Exhibit C,—Births of Females, by Months, Corrected and Equalized to Population.....	8
Exhibit C,—Persons Married in 1874-1876, Average Age of, by Nativity.....	86
Exhibit C,—Deaths in 1876 as Returned, by Months, Corrected, Equalized, etc.....	113
Exhibit D,—Births, Deaths, and Excess of Births, by Parent-Nativity, for 1873-1876.....	xviii.
Exhibit D,—Births, by Months, and Sex, Corrected and Equalized to Population.....	7
Exhibit D,—Inhabitants to One Marriage Annually, for Different Countries.....	106
Exhibit D,—Deaths in 1871-1876, by Months, Corrected for Omissions.....	114
Exhibit E,—Births Corrected, and Marriages in Months of their Conceptions.....	12
Exhibit E,—Births and Deaths, Returned, which Occurred out of Michigan.....	xix.
Exhibit E,—Deaths as Returned, Corrected, Equalized to Uniform Months.....	117
Exhibit F,—Births in 1871-1876, Number and Per Cent of, by Nativity of Parents.....	31
Exhibit F,—Deaths by Age, by Sex, and Excess of the Sexes.....	119-120
Exhibit G,—Deaths by Periods of Age, and by Months.....	121
Exhibit H,—Deaths, Delinquent Counties and Townships, with Population.....	141
Exhibit I,—Townships reported as having no Deaths in 1876, Showing Population.....	142
Exhibit J,—Eleven Geographical Divisions of the State, Counties in Each.....	168
Exhibit K,—Deaths from Croup, in 1876, and Coincident Meteorology.....	264
Exhibit L,—Croup and Diphtheria, in 1876, and Coincident Meteorology.....	265
Exhibit M,—Deaths from Diphtheria, in 1876, and Coincident Meteorology.....	266
Exhibit N,—Births as Returned, Equalized to Uniform Months.....	64
Exhibit N,—Consumption, by Months, Equalized to Uniform Length.....	273
Exhibit O,—Births as Returned, Equalized, and Excess of Males, by Months.....	67
Exhibit O,—Consumption by Months, and Coincident Meteorology.....	279
Exhibit P,—Births, by Sex and by Months, Corrected, Equalized to Population, Equalized to Uniform Months.....	68
Exhibit P,—Deaths from Pneumonia, in 1876, and Coincident Meteorology.....	281
Exhibit Q,—Average Age of Decedents, and of Inhabitants.....	312-313
Exhibit R,—Deaths in Michigan in 1876, Compiled as Casualty.....	245
Exhibit S,—Deaths from Cancer, Specifying Part of Body Affected.....	252
Exhibit T,—Fifteen Principal Causes of Death for 1870-1876.....	249
Exhibit U,—Deaths from Congestive Chills, and Coincident Meteorology.....	260
Exhibit V,—Cerebro-spinal Meningitis, etc., for 1876.....	267
Exhibit W,—Deaths from Intermittent Fever, and Coincident Meteorology.....	270
Exhibit X,—Deaths from Typhoid Fever, and Coincident Meteorology.....	271
Exhibit Y,—Scarlet Fever, by Months, and Coincident Meteorology.....	277
Exhibit Z,—Deaths in Michigan, in 1876, Compiled as Unknown.....	253
Exhibit 1,—Births, Deaths, and Excess of Births Over Deaths, by Months, 1868-1876.....	xiv.
Exhibit 1,—Children born in Rhode Island Previous to, during, and after 1876.....	41
Exhibit 1,—Number and Proportion of Brides and Britegrooms by Nativity.....	85
Exhibit 2,—Births in 1876, and Marriages and Deaths in Months of Conceptions.....	xvi.
Exhibit 2,—Births, by Months, for 1871-1876, Corrected for Omissions, Number and Proportion of.....	5
Exhibit 2,—Marriages by Ages, by Sex, and Excess of the Sexes.....	93
Exhibit 2,—Relation of Still-births to All Deaths, for 1868-1875.....	133
Exhibit 3,—Births, as Corrected for Omissions, Equalized to Uniform Months.....	10

ALPHABETICAL INDEX.

327

	PAGE.
Exhibit 3,—Marriages, with Disparity of Ages, Showing Age of Each.....	98-99
Exhibit 3,—Children Born in 1875, Died in 1875-1876, Aged under One Year, by Months.....	137
Exhibit 4,—Months of Birth and of Death of Children born in 1875, etc.....	138
Exhibit 5,—Twins, by Nativity and Color of Mothers, for 1874-1876.....	44
Exhibit 5,—Deaths Aged under One Month, Proportion of to Births, by Months, by Sex.....	139
Exhibit 6,—Relation of Still-births to all Children Born for each of the Years 1868-1876....	55
Exhibit 6,—Number and Per Cent of Deaths, by Nativity, for 1872-1876.....	160
Exhibit 7,—Nativity and Color of Mothers of Still-born Children, 1874, 1875, and 1876.....	55
Exhibit 7,—Deaths by Classes, by Months.....	165
Exhibit 8,—Illegitimate Children, Number and proportion of, for the Years 1869-1876.....	59
Exhibit 8,—Five Groups of Causes of Deaths.....	166
Exhibit 9,—Illegitimate Children, in 1874-1876, Nativity and Color of Mothers of.....	59
Exhibit 9,—Facts Concerning Deaths from Suicide in 1876.....	246-249
Exhibit 10,—Townships having no Births in 1876, Showing Population in 1874.....	63
Exhibit 10,—Average Temperature, by Months, for the Years 1867-1876.....	254
Exhibit 11,—Still-births, Occupations of Fathers of.....	55
Exhibit 11,—Absolute Humidity, by Months, for each of the Years 1867-1876.....	256
Exhibit 12,—Pressure of Atmosphere, by Months, for the Years 1867-1876.....	259
Exhibit 13,—Deaths from All Causes, and Coincident Meteorology, for 1869-1876.....	262
Exhibit 14,—Deaths from all Causes, by Months, and Coincident Meteorology.....	263
Exhibit 16,—Deaths from Diarrhea in July and August, and Coincident Meteorology.....	272
Exhibit 17,—Pneumonia, by Months, for 1871-1876, and Average for 6 Years ending with 1876.....	282
Exhibit 18,—Deaths from Pneumonia in Feb. and Mar., 1876, and Coincident Meteorology.....	280
Exhibit 19,—Deaths from Rheumatism, and Coincident Meteorology.....	276
Exhibit 20,—Ozone Observations—Day and Night—by Months, for 1872-1876.....	281
Exhibit 21,—Deaths from Diarrhea, by Months, and Coincident Meteorology.....	274

F.

Fifteen Principal Causes of Death in 1870-1876.....	249
Fifteen Principal Causes of Death, in 1876, Number and Per Cent of Each, to Total Deaths.....	248
Finland, Inhabitants to One Marriage in.....	106
Five Groups of Causes of Death, 1876.....	166-167
Foreign-born Mothers, Large Proportion of Illegitimate Children among.....	59
France, Inhabitants to One Marriage in.....	106

G.

General Remarks and Statements by the Compiler.....	ix.-x.
Geographical Divisions of the State, Deaths by, in 1876.....	169
Geographical Divisions, Consumption, Pneumonia, Typhoid Fever, Diarrhea, etc., by.....	288-289
Geographical Divisions, Deaths from Old Age, Aged 70 and Over, Under 5, etc., by.....	292-293
Grand Haven, Marquette, Detroit, and Escanaba, Mich., Meteorology at, in 1876.....	251
Great Disparity in Ages of Persons Married.....	92-101
Greece, Inhabitants to One Marriage in.....	106

H.

Heart, Throat, Brain, Lungs, and Bowels, Diseases of.....	166-167
Holland, Inhabitants to One Marriage in.....	106
Humidity of Atmosphere, by Months, for Different Years.....	256-257

I.

Illegitimate Children, Average Annual Number for the Nine Years 1868-1876.....	58
Illegitimate Children, Born in 1876.....	58-62, 72
Illegitimate Children, Large Proportion of, among Indians.....	58
Illegitimate Children, by Months, and by Parent-Nativity.....	60
Infant Mortality.....	133-139
Inhabitants and Decedents, Average Age of.....	312-313
Inhabitants to One Marriage, Annually, in Different Countries.....	106
Inhabitants in 1874, Represented by Births in 1876.....	2, 22
Inhabitants in 1874, Represented by Deaths in 1876.....	108
Intermittent Fever, Deaths from, in 1876.....	216-217, 270
Intermittent Fever, Typhoid Fever, Diarrhea, Consumption, etc., by Geographical Divisions.....	288-289
Intermittent Fever, Typhoid Fever, Diarrhea, Pneumonia, Consumption, by Counties.....	292-293

L.	
	PAGE.
Law, for the Solemnization of Marriages, Violated.....	74
Letter of transmittal of this Volume by the Secretary of State.....	iii.
Lungs, Brain, Bowels, Throat and Heart, Diseases of.....	166-167

M.	
Males to 100 Females among Births, by Counties.....	22-29
Males to 100 Females among Births, by Months, Equalized.....	67
Males to 100 Females among Deaths, by Months.....	110
Males to 100 Females among Deaths by Age, and Periods of Age.....	118
Males to 100 Females among Twins.....	42, 72
Males to 100 Females, by Parent-Nativity, among Illegitimates.....	61
Marquette, Detroit, Escanaba, Grand Haven, Meteorology at, in 1876.....	261
Marriages, Average Number per Quarter, Month, Week, and day.....	73
Marriages, Births, and Deaths for Certain Periods of Time.....	xiii.
Marriages, Births, Deaths, and Excess of Births Over Deaths, as Returned and as Corrected, 1868-1876.....	xi.
Marriages, Births, and Deaths, in 1876, and Population in 1874, by Counties.....	xx.-xxiii.
Marriages, Births, and Deaths, Relations of.....	xiv.-xvi.
Marriages, Births, Deaths, Statements Concerning.....	xii.
Marriages by Counties, Corrected up to April 1, 1878, for 1869-1876.....	102-105
Marriages by Counties, by Color of Persons Married.....	82-84
Marriage-Law, Violated.....	74
Marriages, Manner of Union by Ages.....	96-97
Marriages in Michigan in 1876.....	xi., xii., xv., xvi., xx.-xxiii., 72-106
Marriages in Months of Conceptions of Births.....	11, 12
Marriages by Months, Corrected and Equalized for the Years 1872-1876.....	76
Marriages by Months, in Order of Greatest Number first, for 1873-1876.....	75
Marriages by Periods of Age, by Sex, and Proportion of the Sexes.....	87
Marriages of Persons Under 21 Years of Age, by Counties.....	94-96
Marriages by Quarters of the Year.....	74
Marriages by Quarters of the Year, as Returned, and as Corrected, for 1870-1876.....	74
Massachusetts, Inhabitants to One Marriage in.....	106
Massachusetts, Mich., and Rhode Island, Months of Deaths in, in Order Greatest No. first.....	112
Measles, Deaths from, in 1876.....	228, 250-251, 253
Meteorological Conditions and Deaths from Scarlet Fever.....	277
Meteorological Conditions and their Relations to Deaths.....	253-281
Meteorology and Consumption, by Months.....	279
Meteorology and Deaths from Pneumonia, by Months, for 1876.....	280-281
Meteorology at Detroit, Escanaba, Grand Haven, and Marquette, Mich., in 1876.....	261
Meteorology, as Related to Deaths from Diarrhea.....	272-274
Michigan, Death-rate in, Low, as compared with other places.....	108
Michigan, Inhabitants to One Marriage in.....	106
Mich., Mass., and Rhode Island, Months of Deaths in, in Order, Greatest No. first.....	112
Minnesota, Inhabitants to One Marriage in.....	106
Months, Counties, and Sex, Births by.....	13-20
Months of Greatest Danger to Life of Child Aged Under One Year.....	136
Months, Marriages by, by Counties.....	79-80
Months, Parent-Nativity, and Sex, Still-births by.....	58
Months and Periods of Age, Deaths from Ten Specified Causes by.....	250-251
Month, Quarter, Week, Day, Average No. of Births per.....	2
Month, Quarter, Week, Day, Average Number of Deaths per.....	108
Months, Sex, and Age, Deaths by.....	124-133
Month, Week, Day, Quarter, Average Number of Marriages per.....	73
Mothers Bearing Still-born Children, Proportion of, by Nativity and Color.....	54, 55
Mothers of Illegitimates in 1874-1876, by Nativity and Color.....	59

N.	
Nativity and Color of Mothers of Illegitimate Children.....	59
Nativity and Color of Mothers of Twins, for the Years 1874-1876.....	44
Nativity, Deaths by, by Counties.....	160-162
Nativity, Deaths by, for the Years 1872-1876.....	160
Native and Foreign-born Inhabitants, Comparative Natural Increase of.....	xviii.
Nativity, Sex, Periods of Age, Marriages by, by Counties.....	86-92

ALPHABETICAL INDEX.

329

PAGE.

New Jersey, Inhabitants to One Marriage in,.....	106
New York City, Inhabitants to One Marriage in,.....	106
New York, Inhabitants to One Marriage in,.....	106
Norway, Inhabitants to One Marriage in,.....	106
Nosological Arrangement of Causes of Death.....	170-199
Number and Proportion of Births, by Months, as Corrected, for the Years 1871-1876.....	5
Number and Proportion of Births, by Quarters, for the Years 1872-1876.....	8

O.

Occupations of Decedents Aged 20 and Over, Classified, Aggregate and Average Age, etc.	314-321
Occupations of Decedents from Consumption, by Months, Sex, etc.	296-311
Occupations of Fathers of Still-births.....	55
Ohio, Inhabitants to One Marriage in,.....	106
Old Age, Decedents Aged 70 and Over, and Under 5, by Counties.....	294-295
Old Age, Decedents Aged 70 and Over, Under 5, etc., by Geographical Divisions.....	292-293
Ozone, Day and Night Observations, by Months, for 1872-1876.....	284

P.

Parent-Nativity of Twins Born in 1876.....	43-52, 72
Parent-Nativity, Counties, and Sex, Births by,.....	32-39
Per Cent of Births to Population, by Counties.....	22-29
Per Cent of Deaths by Months, and at Certain Periods of Age, to Deaths at All Ages.....	121
Per Cent of Deaths in 1876, as Returned, and as Corrected, to Inhabitants in 1874.....	108
Periods of Age, Deaths by, by Sex, and Proportion of the Sexes.....	118
Periods of Age, Months, Sex, Deaths by, by Counties.....	143-155
Periods of Age, Sex, Months, Deaths by,.....	122-123
Persons Married, by Color.....	81
Persons Married, by Counties, Nativity, Sex, and Periods of Age.....	88-92
Persons Married, in Michigan, by Age, by Sex, and Excess of the Sexes.....	93
Persons who Married those of Another Color.....	81
Persons Married Under 21 Years of Age, by Counties.....	94-96
Persons Married with Great Disparity of Ages.....	96-101
Pneumonia, Constant Increase of Deaths from, from 1869 to 1875.....	279
Pneumonia and Consumption, Correlation of,.....	286-287
Pneumonia, Consumption, Typhoid Fever, Diarrhea, etc., by Counties.....	290-291
Pneumonia, Deaths from, in 1876.....	175, 233, 248, 249, 279-283, 286-291
Pneumonia, Deaths from, for Each of the Years 1869-1876.....	279
Pneumonia in Feb. and Mar., and Coincident Meteorology.....	280
Pneumonia, Typhoid Fever, Consumption, Diarrhea, etc., by Geographical Divisions.....	288-289
Population in 1874, and Births, Marriages, and Deaths in 1876, by Counties.....	xx.-xxiii.
Population by Counties, Represented by Births in 1876.....	22-29
Population of Townships, not Represented by Births in 1876.....	64
Pressure of Atmosphere, by Months, for Different Years.....	258-269
Prevailing Winds, Relative Humidity, Ozone, etc., by Months.....	260
Prussia, Inhabitants to One Marriage in,.....	106

Q.

Quarter, Month, Week, Day, Average Number of Births per,.....	2
Quarter, Month, Week, Day, Average Number of Deaths per,.....	108
Quarter, Month, Week, Day, Average Number of Marriages per,.....	73

R.

Relations of Deaths of Children to Births, by Months.....	139
Rheumatism, Deaths from, in 1876.....	172, 235, 276
Rhode Island, Average Ultimate Number of Children to a Mother in,.....	40-41
Rhode Island, Mass., and Mich., Months of Deaths in, in Order Greatest No. first.....	112
Russia, Inhabitants to One Marriage in,.....	106

S.

Saxony, Inhabitants to One Marriage in,.....	106
Scarlet Fever, Deaths from, in 1876.....	171, 235-236, 248-251, 277
Scarlet Fever, Most Prevalent during Feb., Mar., Apr., and May, 1876.....	277
Secretary of State's Letter of Transmittal of this Volume to the Governor.....	iii.
Specified Causes of Deaths, by Months, Sex, and Ages, 1869-1876.....	280-284

	PAGE.
Specified Causes of Death—Ten—by Months, and Periods of Age.....	250-251
Spain, Inhabitants to One Marriage in.....	106
Specified Occupations of Decedents from Consumption.....	296-311
Still-born Children, Born in 1876.....	84-86, 73
Still-births Number and Proportion of, by Nativity and Color of Mothers.....	55
Still-births, Occupations of Fathers of.....	56
Still-births, in 1871-1876, Proportion of, to Total Births.....	55
Still-births, Relation of to All Deaths.....	133
Suicide, Deaths from, in 1876.....	239, 246-249
Sweden, Inhabitants to One Marriage in.....	106

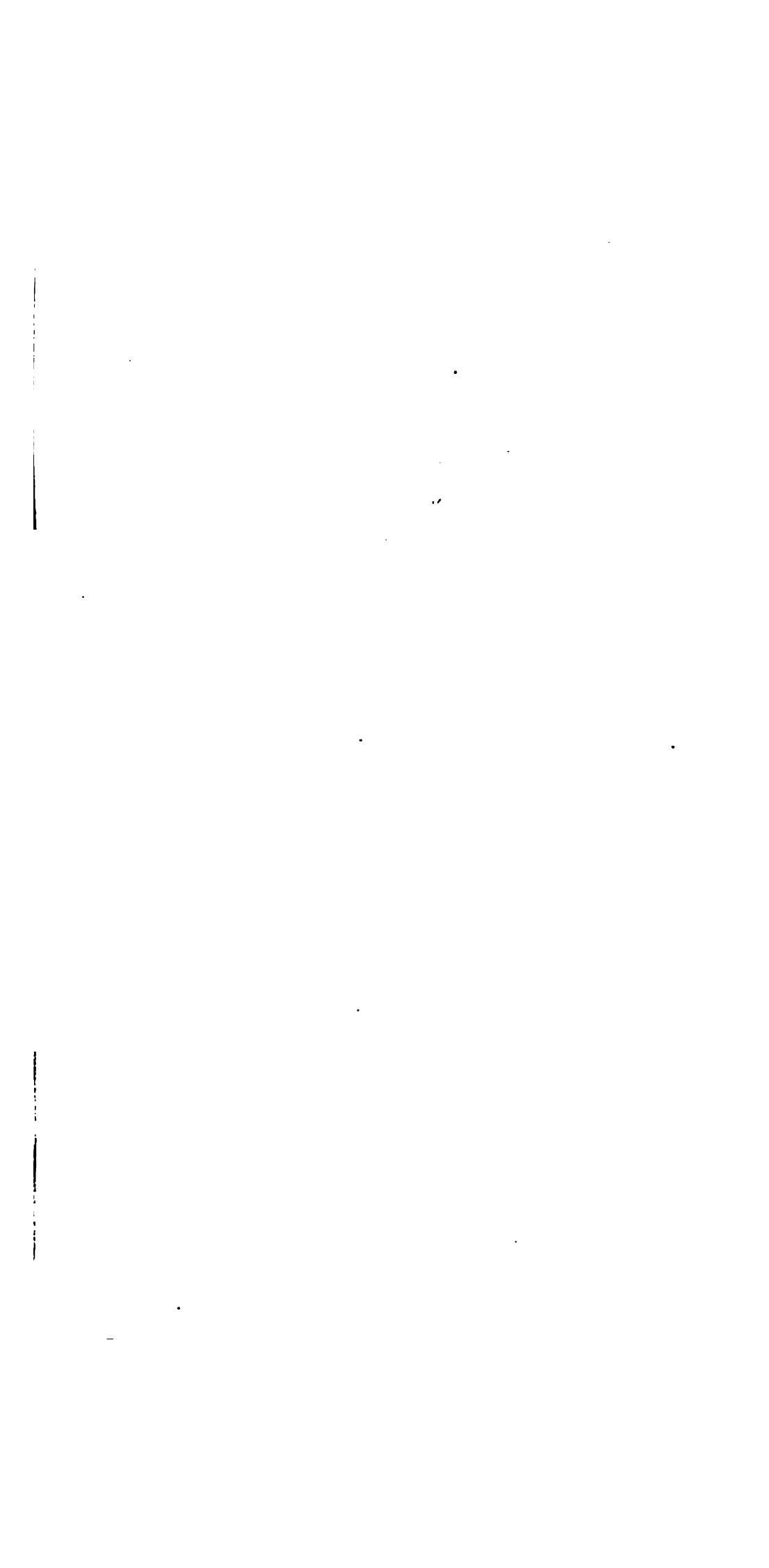
T.

Table of Contents of this Volume.....	v.-vii.
Table I.,—Marriages, Births, Deaths, and Excess of Births over Deaths, by Periods of Time.....	xiii.
Table I.,—Births by Quarters of the Year for each of the Years 1872-1876, as Returned, and as Corrected.....	3
Table I.,—Marriages by Quarters for each of the Years 1870-1876, Number and Per Cent of,.....	74
Table I.,—Deaths by Quarters of the Years 1870-1876.....	109
Table II.,—Births, Marriages, and Deaths in 1876, and Population in 1874, by Counties...xx-xxiii.	
Table II.,—Births by Months for each of the Years 1873-1876.....	4
Table II.,—Marriages by Months, in Order of Greatest Number first, for 1873-1876.....	75
Table II.,—Deaths by Months, in Order, Greatest Number first, for 1873-1876.....	109
Table III.,—Births in 1876, by Months, and Marriages during Months of their Conceptions.....	11
Table III.,—Marriages by Counties, by Months.....	79-80
Table III.,—Number and Per Cent of Deaths by Months, by Sex.....	110
Table IV.,—Births by Counties, by Months, by Sex.....	12-30
Table IV.,—Color and Sex of Persons Married.....	81
Table IV.,—Deaths by Periods of Age, Sex, and Proportion of the Sexes.....	118
Table V.,—Births by Color, by Sex, and Proportion of the Sexes.....	21
Table V.,—Marriages by Counties, by Color.....	82-84
Table V.,—Deaths by Periods of Age, by Sex, by Months.....	122-123
Table VI.,—Births by Counties, by Color, by Sex.....	22-29
Table VI.,—Nativity of Persons Married in 1876.....	86
Table VI.,—Deaths by Ages, by Sex, by Months.....	124-133
Table VII.,—Births by Sex, Number and Proportion of, by Parent-Nativity.....	30
Table VII.,—Marriages by Periods of Age, by Sex.....	87
Table VIII.,—Births, by Counties, Parent-Nativity, and Sex.....	32-39
Table VIII.,—Marriages by Counties, Nativity, Sex, and Periods of Age.....	88-92
Table VIII.,—Deaths of Children Aged Under One Year, etc.,—Diagrammatic Table.....	134-135
Table IX.,—Twin Children, by Pairs and by Individuals, in Order by Months, Greatest first.....	42
Table IX.,—Marriages of Persons under 21 Years of Age, by Counties.....	94-96
Table IX.,—Deaths of Centenarians, Details Concerning.....	140
Table X.,—Births of Twins by Parent-Nativity, and by Sex.....	43
Table X.,—Marriages by Periods of Age, by Sex.....	97
Table X.,—Deaths by Counties, Months, Periods of Age, and Sex.....	143-155
Table XI.,—Parent-Nativity of Twins, by Sex, and Proportion of the Sexes.....	44
Table XI.,—Deaths by Color, by Sex, and Proportion of the Sexes.....	156
Table XII.,—Births of Twins by Parent-Nativity, and by Sex.....	45-52
Table XII.,—Marriages 1869-1876, Corrected, by Counties.....	102-105
Table XII.,—Deaths by Counties, by Color, by Sex.....	157-159
Table XIII.,—Occupations of Fathers of Twins.....	53
Table XIII.,—Deaths by Counties, by Nativity, and Sex.....	160-162
Table XIV.,—Still-births by Months, by Parent-Nativity, and Sex.....	58
Table XIV.,—Deaths by Classes of Causes.....	165
Table XV.,—Still-born Children, by Parent-Nativity.....	57
Table XV.,—Deaths by Geographical Divisions of the State, by Classes.....	169
Table XVI.,—Illegitimate Children by Months, by Parent-Nativity.....	60
Table XVI.,—Causes of Death.—Nosological Arrangement.....	170-199
Table XVII.,—Illegitimate Children by Color, by Sex, and Proportion of the Sexes.....	61
Table XVII.,—Specified Causes of Death.....	200-244
Table XVIII.,—Fifteen Principal Causes of Death in 1876.....	248-249
Table XVIII.,—Illegitimate Children, Number and Proportion of, by Parent-Nativity.....	61
Table XIX.,—Details concerning Triplet Children.....	84

ALPHABETICAL INDEX.

331

	PAGE.
Table XIX.,—Deaths from Ten Specified Causes.....	250
Table XX.,—Males to 100 Females among Twins, and Illegitimates and Still-births, by Counties.....	62
Table XX.,—Per Cent of Ten Specified Causes of Death in 1876.....	251
Table XXI.,—Townships from which no Returns of Births were Received, Showing Population of Each.....	64
Table XXI.,—Diarrhea and Dysentery, Deaths from, by Geographical Divisions.....	275
Table XXII.,—Relation of Conceptions, for Births in 1876 to proportion of each Sex.....	66
Table XXII.,—Correlation of Consumption and Pneumonia, by Months.....	286
Table XXIII.,—Conceptions for Births, Corrected, and Proportion of the Sexes.....	67
Table XXIII.,—Correlation of Consumption and Pneumonia by Periods of Age.....	287
Table XXIV.,—Relation between Deaths and Conceptions, as Returned, by Months Equalized.....	68
Table XXIV.,—Consumption, Pneumonia, Typhoid Fever, etc., by Geographical Divisions, 288-289	
Table XXV.,—Relation between Deaths and Conceptions, as Corrected and Equalized....	69
Table XXV.,—All Causes, Consumption, Pneumonia, Typhoid Fever, etc., by Counties...	290-291
Table XXVI.,—Relation between Deaths as Corrected and Proportion of Each Sex Conceived.....	70
Table XXVI.,—All Causes, Old Age, Aged 70 and Over, and Under 5.....	292-293
Table XXVII.,—Relation of Deaths as Equalized, to Conceptions, and Proportion of Each Sex Conceived.....	71
Table XXVII.,—Old Age, Aged 70 and Over, Deaths at All Ages, etc., by Counties.....	294-295
Table XXVIII.,—Boys to 100 Girls among Total Births, Twins, Illegitimates, and Still-births.....	72
Table XXVIII.,—Deaths from Consumption, by Occupation, Sex, Months, Periods of Age, etc.....	296-311
Table XXIX.,—Occupations of Decedents Aged 20 and Over, Classified.....	313-321
Table XXX.,—Barometric Pressure, Prevailing Winds, etc., etc., by Months.....	260
Table XXXI.,—Temperature at Agricultural College, Great Changes in, etc.....	254
Table XXXII.,—Meteorology at Detroit, Escanaba, Grand Haven, and Marquette, Mich... Temperature, by Months, and for Different Years, at Agricultural College.....	254-255
Temperature, by Months, for each of the Years 1867-1876.....	254
Ten Specified Causes of Death, Number and Per Cent of.....	250-262
The Relations of Births, Marriages, and Deaths.....	xiv-xvi.
Throat, Heart, Bowels, Brain, and Lungs, Diseases of.....	166-167
Townships Reported as having no Births in 1876.....	63
Townships from which no Returns of Births were Received in 1876.....	63-64
Townships in which it was Reported that no Deaths Occurred in 1876.....	142
Triplet Children Born in 1876, Details Concerning.....	54
Twins, Born in 1874-1876, by Nativity and Color of Mothers.....	44
Twin Children Born in 1876.....	42-53, 72
Twin Children, Proportion of the Sexes.....	42
Twins, Illegitimates, and Still-births, Boys to 100 Girls among.....	72
Twins, Males to 100 Females, in Order by Months, Greatest first.....	42
Twins, Occupations of Fathers of.....	53
Twins, Parent-Nativity of, by Counties.....	45-53
Twins by Parent-Nativity, and Sex, Number and Proportion of.....	43, 44
Typhoid Fever, Deaths from, in 1876.....	172, 218, 248-251, 270-271,
Typhoid Fever, Consumption, Pneumonia, Diarrhea, etc., by Geographical Divisions.....	288-289
Typhoid Fever, Diarrhea, Intermittent Fever, Consumption, etc., by Counties.....	290-291
Typhoid Fever, Diarrhea, and Dysentery, by Geographical Divisions.....	275
U.	
United States, Inhabitants to One Marriage in.....	106
V.	
Violent Deaths in Michigan, in 1876.....	167, 169, 179
Vital of Statistics Michigan, Superintendent of.....	x.
W.	
Week, Day, Quarter, Month, Average No. of Births per.....	2
Week, Day, Quarter, Month, Average No. of Marriages per.....	73
Week, Day, Quarter, Month, Average No. of Deaths per.....	108
Whooping-cough, Deaths from, in 1876.....	214, 250-251, 253
Z.	
Zymotic Diseases, Deaths from, in 1876.....	165, 169, 171-172









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